

APPENDIX 1C-3

CONCORDANCE WITH EIS GUIDELINE APPENDIX C - NWB INFORMATION REQUIREMENTS

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'	If 'NA' provide justification	Insert <u>Title, Author and Date of Document</u> where information is provided	Insert electronic file name of document where information is provided	Insert Section of document where Information is Provided <u>where of</u>	NWB Concordance Assessment
Minimum Application Requirements	1	General Water Licence Application Form (see the NWB's Guide 4: Completing and Submitting a Water Licence Application for a New Licence) or Application for Water Licence Amendment Form, if appropriate (see NWB's Guide 7: Licensee Requirements Following the Issuance of a Water Licence).	Y	—	Mary River Project Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 1.pdf	Volume 1, Appendix 1C-2.	
	2	Information required to satisfy the requirements of the SIG including plans, reports and designs.	Y	—	Mary River Project Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 1.pdf	Volume 1, Appendix 1C-2.	
	3	Executive summary in English.	Y	—	Mary River Project Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 1.pdf	Executive Summary	
	4	Translated executive summary in appropriate language and dialect.	Y	—	Mary River Project Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 1.pdf	Executive Summary	
	5	Application fee.	NA	Not required during draft licence application process	—	—	—	
	6	Water use fee.	NA	Not required during draft licence application process	—	—	—	
	7	A table indicating concordance of the application and supporting documents to the Guidelines. These generic Guidelines are provided in excel as a tool for applicants to provide the necessary concordance table.	Y	—	Completed SIG Tables	Volume 1.pdf	Volume 1, Appendix 1C-2.	

Qualifications:

- 1 Applications that do not include all of the items listed above will be returned to the applicant as incomplete with a request for the deficient information.
- 2 The application must address the entire scope of the project including not only the primary undertaking, but also related activities for all phases of the project.
- 3 Information between all documents that make up the application package must be consistent and must be accurately cross referenced.
- 4 The application must distinguish between recommendations or options and actual commitments to chosen alternatives.
- 5 For additional guidance regarding the submission of electronic documentation, see the NWB's Guide 6: Electronic Documentation: Submissions and Registry.
- 6 The applicant, where practical, may combine components of the information requested in the SIG into more concise plans to provide clarity and eliminate duplication. If this practice is considered, then the applicant must clearly outline, through proper referencing and clearly detailed statements, how the NWB should consider the documents that have combined elements of information. Information management is the responsibility of the applicant.
- 7 The applicant must submit a concise executive summary of the application package. In addition, the Applicant shall submit an executive summary for each separate supporting document, report or study. All executive summaries shall be provided in English, Inuktitut and/or Inuinnaqtun (where applicable).

The applicant must complete the yellow columns of the worksheet(s). Blue columns are for NWB use only.

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Applicant	1	Provide the full name of the applicant and contact information (including phone number, address, fax number and email address).	Y	—	Draft Water Licence Application Form	Volume 1.pdf	Volume 1, Section 1.0		
Applicant Representative	2	Provide the name and contact information of any party submitting the application on behalf of the applicant.	NA	No third party.	—	—	—		
	3	Provide a signed letter authorizing a party to be its representative in the licensing process.	NA	No third party.	—	—	—		
Name of Project	4	Provide the name of the project.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 1.pdf	Volume 1, Section 1.0		
Location of Undertaking	5	Provide coordinates of the project extents taking into account the Local Project Area (LPA) and the Regional Project Area (RPA), where applicable.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Figures 3-1.1 and 3-1.2. Also refer to Draft Water Licence Application		
	a	Provide location by Latitude and Longitude.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Figures 3-1.1 and 3-1.2. Also refer to Draft Water Licence Application		
	b	Provide location by UTM coordinates, if available.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Figures 3-1.1 and 3-1.2. Also refer to Draft Water Licence Application		
	c	Provide the distances to the nearest communities.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 2.pdf	Volume 2, Figure 2-1.1		
Map	6	Provide a map at a 1:50,000 scale based on the National Topographic series indicating the location of the undertaking, watercourses and the location of waste deposits. Additional maps at various scales may be provided if those maps will provide additional information or clarification. All additional maps must indicate the scale, and map sheet number.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Figures 3-1.1 to Figure 3-2.9, incl.		
Nature of Interest in the Land	7	Provide the nature of the interest in the land associated with the proposed undertaking, including:	Y	—	See below	—	—		
	a	Sub-surface leases from Nunavut Tunngavik Incorporated (NTI) and/or Indian and Northern Affairs Canada (INAC) as well as surface authorizations from INAC for crown land use, a Designated Inuit Organization (DIO) for Inuit Owned Land (IOL) use, or the Government of Nunavut for Commissioner's land use.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 2.pdf	Volume 2.0, Section 2.1		
	b	The date or expected date of issuance of any authorization and the date of expiry.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 2.pdf and Volume 3.pdf	Volume 2, Section 2.0 Volume 3, Section 1.3, Figures 3-1.3 and 3-1.4		
	8	Indicate whether the applicant is the name of the entity holding the authorization for the interest in the land and if not, provide the name of the entity holding the authorization.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 2.pdf	Volume 2.0, Section 2.1		
NPC Determination	9	Provide written confirmation from the NPC confirming that NPC's requirements under the NLCA regarding land use plan conformity (Article 11 of the NLCA) have been addressed.	Y	—	NPC Conformity Determination, Brian Aglukark, April 30, 2008	App 1C-2.pdf	Volume 1, Appendix 1C-2.		
NIRB Determination	10	Provide written confirmation from the NIRB confirming that NIRB's requirements under the NLCA regarding development impact assessment (Article 12 of the NLCA) have been or are in the process of being addressed. Documentation may include:	Y	—	Guidelines for Preparation of an Environmental Impact Statement for Baffinland Iron Mines Corporation's Mary River Project (NIRB File No. 08MN053), Nunavut Impact Review Board, November 2009	http://ftp.nirb.ca/02-REVIEWS/ACTIVE%20REVIEWS/08MN053-BAFFINLAND%20MARY%20RIVER/2-REVIEW/03-SCOPING%20%26%20GUIDELINES/02-EIS%20GUIDELINES/4-FINAL/091116-08MN053-Final%20EIS%20Guidelines%20for%20Mary%20River%20Project-OT1E.pdf	NIRB Website		
	a	NIRB's screening determination;	Y	—	NIRB Screening Decision Report, June 2008, NIRB	http://ftp.nirb.ca/02-REVIEWS/ACTIVE%20REVIEWS/08MN053-BAFFINLAND%20MARY%20RIVER/1-SCREENING/03-DECISION/080627-08MN053-Screening%20Decision%20Report-OT1E.pdf	NIRB Website		

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	b	NIRB's recommendation to the Minister regarding the type of review;	Y	—	NIRB Screening Decision Report, June 2008, NIRB	http://ftp.nirb.ca/02-REVIEWS/ACTIVE%20REVIEWS/08MN053-BAFFINLAND%20MARY%20RIVER/1-SCREENING/03-DECISION/080627-08MN053-Screening%20Decision%20Report-OT1E.pdf	NIRB Website		
	c	Minister's written decision regarding the review of the development proposal;	Y	—	NIRB Screening Decision Report, June 2008, NIRB	http://ftp.nirb.ca/02-REVIEWS/ACTIVE%20REVIEWS/08MN053-BAFFINLAND%20MARY%20RIVER/1-SCREENING/03-DECISION/080627-08MN053-Screening%20Decision%20Report-OT1E.pdf	NIRB Website		
	d	List of activities requested for exception in accordance with NLCA s. 12.10.2;	Y	—	To be provided by Baffinland at a later date.	To be provided by Baffinland at a later date.	To be provided by Baffinland at a later date.		
	e	Type B water application for any activities to be considered for interim, short term approval in accordance with NLCA s. 13.5.5.	Y	—	To be provided by Baffinland at a later date.	To be provided by Baffinland at a later date.	To be provided by Baffinland at a later date.		
	11	Provide a complete description of the undertaking with detailed site plan(s) of all project infrastructure for the Local Project Area (LPA) and/or the Regional Project Area (RPA), where applicable, and differentiate temporary components from permanent components.	Y	—	Mary River Project Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Sections 2.0, 3.0 and 4.0, Volume 3, Figures 3-1.1 to Figure 3-2.9, incl.		
Options (Alternatives)	12	Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Section 6.0		
Water Use	13	Provide a detailed description of all types of water uses, including:	Y	—	See below	—	—		
	a	Obtain water for domestic purposes	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-2		
	b	Obtain water for industrial purposes	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-2		
	c	To cross a water course	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-2		
	d	To alter the flow of water, or store water	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-2		
	e	Flood control	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-2		
	f	To divert a watercourse	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-2		
	g	To modify the bed or bank of a watercourse	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-2		
	h	Others:	NA	—	—	—	—		
	14	Provide for each type of water use:	Y	—	See below	—	—		
Water Quality and Quantity	a	The source of water including the name of the water body and the location of the water source as shown on a map;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-2		
	b	A description of the quality of the water from the source as well as the capacity of the water source;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 2.0 and 3.0		
	c	The estimated amount of water taken from each source and the method of extraction including specific pumping rates, pumping procedures and potential for draw down;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 7.pdf and Volume 10.pdf	Volume 3, Sections 2.0 and 3.0, Volume 7, Section 2.0 Volume 10, Appendix 10D-2		
	d	The estimated amount of water to be returned to the source;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 7.pdf	Volume 3, Sections 2.0 and 3.0 Volume 7.0		
	e	Methods to ensure the quality of water returned to the source is of an acceptable quality.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf	Volume 10, Sections 2.0 and 7.0, Appendix 10-D2		
Waste Disposal	15	Provide a detailed description of all forms of waste disposal indicating the type of waste(s) generated and/or to be deposited.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3 Section 2.1.10 Volume 10, Sections 2.0 and 7.0 Volume 10, Appendix 10D-4		

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Waste Disposal: Quality and Quantity	16	Provide a description for each type of waste generated, its composition, quantity (cubic meters per day), method of treatment and disposal, including:	Y	—	See below	—	—		
	a	System for the treatment and/or disposal of solid waste, liquid effluent, and gaseous materials expected from the operations, including any measures proposed to minimize the production of wastes;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3, Sections 2.1.10, 2.1.7, 2.2.3, 2.4.5, 2.5.11, 2.6.6, 3.4.6, 3.6.5, and 4.3.9. Volume 10, Sections 2.0, 3.4, 3.7, and 7.0. Volume 10, Appendices 10D-3 and 10D-4.		
	b	Substances and their amounts that will be released to the environment, methods of release and any associated control technology.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	As above.		
Other Authorizations	17	Provide a list of any authorizations required in addition to the water licence and a description of how those authorizations may affect the NWB's water licensing process.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 2.pdf	Volume 2, Section 2.0		
	18	Provide an indication of whether any other authorizations are required in relation to the project. Provide the name of the authorization, the administering agency, the project activity requiring the authorization, the date or expected date of issuance and the date of expiry.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 2.pdf	Volume 2, Section 2.0		
	19	Provide an overview of and a description of the status of any existing water licences currently held with the NWB and future plans for the administration of existing licences.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 2.pdf	Volume 2, Section 2.0		
	20	Provide formal applications to the Navigable Waters Protection Program (NWPP) for any works.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 2.pdf	Volume 2, Section 2.0		
	21	Provide a timetable for filing the appropriate plans and procedures required by government parties.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 2.pdf	Volume 2, Section 2.0		
Predicted Environmental Effect and Proposed mitigation measures	22	Identify the potential effect of water use and waste disposal on the following components:	Y	—	See below	—	—		
	a	Groundwater and Surface Water including:	Y	—	See below	—	—		
		changes in flow (including seasonal rate of flow)	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 6.pdf and Volume 7.pdf	Volume 6, Section 2.1.5 Volume 7, Section 2.3		
		quantity and quality	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 6.pdf and Volume 7.pdf	Volume 6, Section 2.1.4, 2.1.5, and 2.5. Volume 7, Section 2.3 and 3.4		
	b	Land including:	Y	—	See below	—	—		
		geologic structure change	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 6.pdf	Volume 6, Section 2.0		
		soil contamination	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 6.pdf	Volume 6, Section 2.4.1		
		compaction, settling and erosion	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 6.pdf	Volume 6, Section 2.0		
		alteration of the permafrost regime	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 6.pdf	Volume 6, Section 2.0		
		riparian zone loss	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 3.0		
	c	Vegetation including:	Y	—	See below	—	—		
		species composition and abundance	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 6.pdf	Volume 6, Section 3.0		
		non-native species introduction	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 6.pdf	Volume 6, Section 3.0		
		accumulation of toxins and heavy metals (in relation to remediation objectives for closure)	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 6.pdf	Volume 6, Section 3.0		
	d	Aquatic Ecosystems including:	Y	—	See below	—	—		

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		fish	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 4.0		
		benthic invertebrates	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 4.0		
		plankton	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 4.0		
	23	Identify effects separately for each project phase.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 4.0		
	24	Describe the methods used to predict effects.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 4.5.1		
	25	Provide a cumulative effects assessment of the project's water use and waste disposal activities in relation to other activities in the same drainage basin. Predict the effects of the activities in combination with other past, present, and reasonably foreseeable future projects.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 9.pdf	Volume 9, Section 1.4.3 and 1.5		
	26	Identify effects arising from accidental events or malfunctions.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 9.pdf	Volume 9, Section 3.0		
	27	Provide a description of all proposed mitigation, management and monitoring programs to mitigate adverse impacts.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf	Volume 10, Sections 2.0, 4.0, 6.0 and 7.0 Volume 10, Appendices 10B, 10D, and 10G		
	28	Provide a description of the measures to be taken to mitigate impacts on historical resources or traditional uses of water and procedures to be followed should artifacts be discovered.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf	Volume 10, Appendix 10F-2		
Existing and Other User Water Rights	29	Provide the names, addresses, and nature of use for any known persons or properties that may be adversely affected by the proposed undertaking, including those that that hold licences for water use in precedent to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 2.pdf and Volume 4.pdf	Volume 2, Sections 1.0 and 2.0. Volume 4, Section 10.0		
	30	Indicate whether compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.	Y	—	To be provided by BMC	Volume 4.pdf	Volume 4, Section 12.0		
	31	Provide a description of the applicant's consultation plan and the concerns expressed during consultation.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 2.pdf	Volume 2, Section 1.0		
	32	Describe how the results of consultation were incorporated into the determination of effects.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 2.pdf	Volume 2, Section 1.0 and 3.0		
	33	Describe how the results of consultation were incorporated into the design of mitigation, management and monitoring programs.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 2.pdf	Volume 2, Section 1.0 and 3.0		
	34	Provide a description of any potential effects of the project on other licensees or pre-existing applicants, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders or holders of other rights of a similar nature.	NA	None identified.	—	—	—		
	35	Provide a description of the measures incorporated into the project design to mitigate effects of the project on other licensees or pre-existing applicants, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders or holders of other rights of a similar nature.	NA	Not required.	—	—	—		

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Inuit Water Rights	36	Provide a description of any potential effects of the project on the quality, quantity, or flow of waters flowing through Inuit Owned Land (IOL).	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Sections 2.0 and 3.0		
	37	Advise the Board of any substantial affect of the quality, quantity or flow of waters flowing through IOL, and indicate whether negotiations have commenced or an agreement to pay compensation for any loss or damage has been reached with one or more DIO.	NA	Water quality and flows through IOL are not indicated to be significantly impacted by project activities.	—	—	—		
	38	Provide a description of the measures incorporated into the project design to mitigate effects of the project on the quality, quantity, or flow of waters flowing through IOL.	NA	Water quality and flows through IOL are not indicated to be significantly impacted by project activities.	—	—	—		
	39	The applicant and/or DIO shall advise the Board in writing, if either party is unable to reach an agreement on compensation.	NA	Not applicable at this time.	—	—	—		
Security	40	Provide a financial security assessment that is prepared in a manner consistent with principals respecting mine site reclamation and implementation found in the <i>Mine Site</i>	Y	—	See below	—	—		
		Reclamation Policy for Nunavut, Indian and Northern Affairs Canada, 2002. The financial security assessment must include:	Y		See below	—	—		
	a	An estimate of the total financial security for final reclamation equal to the total outstanding reclamation liability for land and water combined sufficient to cover the highest liability over the life of the undertaking;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3, Section 4.0. Volume 10, Section 9.0 and Appendix 10G.		
	b	The cost of having the necessary reclamation work done by a third-party contractor if the operator defaults;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3, Section 4.0. Volume 10, Section 9.0 and Appendix 10G.		
	c	Contingency factors appropriate to the particular work to be undertaken.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3, Section 4.0. Volume 10, Section 9.0 and Appendix 10G.		
Abandonment and Restoration	41	Provide plans for the abandonment and restoration of the project. Plans must address all phases of the project including construction, operation, care & maintenance, final closure and post closure.	Y	—	Mary River Project Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3, Section 4.0. Volume 10, Section 9.0 and Appendix 10G.		
	42	Provide a description of all remediation plans and remediation objectives. Discuss the results of any human health and ecological risk assessment used to establish remediation objectives.	Y	—	Mary River Project Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3, Section 4.0. Volume 10, Section 9.0 and Appendix 10G.		
	43	Provide a list and description of any existing abandoned or restored site facilities.	Y	—	Mary River Project Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3, Section 4.0. Volume 10, Section 9.0 and Appendix 10G.		
	44	Provide details regarding the timing of the removal of any dewatering dikes (if applicable) and the implications of this action on water quality.	NA	None onsite.	—	—	—		
	45	Provide detailed information regarding the method used to remove/breach any dewatering dykes (if applicable), including details of any mitigation measures for any adverse impacts.	NA	None onsite.	—	—	—		
Financial Information	46	Provide a statement of financial responsibility.	NA	Not applicable to the current phase of the project.	—	—	—		
	47	If the applicant is an entity for which audited financial statements are issued, a copy of the most recent audited financial statements must be attached to the statement of financial responsibility.	NA	Not applicable to the current phase of the project.	—	—	—		
	48	Provide the name of the corporation, limited company or other business entity, with a list of the officers of the company and a copy of the Certificate of Incorporation or evidence of registration of the company name.	NA	Not applicable to the current phase of the project.	—	—	—		
Studies and Designs	49	Provide a list of studies, reports and plans relevant to the application that have been undertaken to date including:	Y	—	See below	—	—		

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	a	Design rational, design requirements, design criteria, design parameters, design standards/analysis/method;	Y	—	Mary River Project Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3. Volume 10, Section 1.5.		
	b	Design assumptions and the limitations associated with such design assumptions;	Y	—	Mary River Project Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3. Volume 10, Section 1.5.		
	c	The inclusion of clear, definable engineering qualifiers with all design drawings and reports;	Y	—	Mary River Project Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3. Volume 10, Section 1.5.		
	d	Site specific data and analysis to support the design and management decisions made;	Y	—	Mary River Project Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3. Volume 10, Section 1.5.		
	e	Materials that appropriately delineate the particulars of a design or plan.	Y	—	Mary River Project Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3. Volume 10, Section 1.5.		
	50	Provide construction methods and procedures regarding how infrastructure will be put in place on-site.	NA	Not applicable to the current phase of the project, to be provided during detailed engineering	—	—	—		
	51	Provide a timetable for submission of preliminary and final for-construction engineered designs (note: for construction designs are required for NWB approvals).	Y	—	Mary River Project Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Section 1.3		
Proposed Time Schedule	52	Provide the proposed start and completion dates for each phase of development (construction, operation, closure and post closure) and any anticipated periods of seasonal shut down.	Y	—	Mary River Project Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Section 1.3		
Proposed Term of Licence	53	Provide a proposed term of licence including the expected date of licence issuance and the expected date of licence expiry.	N/A	To be determined.	—	—	to be provided by BIMC		
Annual Reporting	54	Provide detailed information regarding the content of annual reports and a proposed outline or template of the annual report. The annual report should include the following:	NA	See below	—	—	—		
	a	Water related monitoring results;	NA	—	—	—	—		
	b	Comparison of water quality and quantity monitoring data with the water quality and quantity predictions presented in the application;	NA	—	—	—	—		
	c	A description of how the conditions in the NIRB project certificate related to the NWB mandate have been implemented;	NA	—	—	—	—		
	d	Project changes under adaptive management;	Y	—	Mary River Project Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf	Volume 10, Section 10.0		
	e	Any actions taken in response to direction provided by the Inspector.	NA	—	—	—	—		
Renewals and Amendments	55	If the application is for a renewal or amendment of an existing licence, provide a status report. This report must document for each condition of the existing water licence, what action the licensee has taken.	NA	Not a renewal or amendment.	—	—	—		
	56	If the application is for a renewal or amendment of an existing licence, provide a compliance assessment. This assessment must indicate when facilities were inspected by regulatory agencies such as INAC or GN and which agencies. The compliance assessment must include any inspection reports and/or directions issued by the Inspector and any responses provided by the licensee. The compliance assessment must also list any spills that have occurred including a description, location shown on a map, and the action taken to address the affected area.	N/A	Not a renewal or amendment.	—	—	—		

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Description of Undertaking		Provide a complete description of the undertaking with detailed site plan(s) of all project infrastructure for the Local Project Area (LPA) and/or the Regional Project Area (RPA), where applicable, and differentiate temporary components from permanent components. Consider the following in providing the description:	Y	—	See below	—	—		
	a	Raw water intake;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Sections 2.0 and 3.0		
	b	Water storage and treatment facilities including distribution systems;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Sections 2.0 and 3.0		
	c	Existing water bodies/courses and any changes to these water bodies/courses that may have or may occur as a result of water use or waste disposal facilities. Provide an outline of the drainage basin within the RPA;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 2.0		
	d	Location of receiving water bodies and drainage pathways;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 2.0		
	e	Transportation access routes and details of water course crossings;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Sections 2.0 and 3.0		
	f	Locations of environmental monitoring sites;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf	Volume 10, Section 7.0 Volume 10, Appendices 10D		
	g	Traditional water use and land use areas that may be impacted by the project;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 4.pdf	Volume 4, Section 10.0		
	h	Sewage treatment facilities;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-3		
	i	Wastewater treatment area and discharge outlet locations;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-3		
	j	Solid waste disposal areas and drainage patterns;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Section 3.7 and Appendices 10D-2 and 10D-4		
	k	Landfarm;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Section 3.7 and Appendix 10D-4		
	l	Waste rock piles (PAG and non-PAG);	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 6.pdf, and Volume 10.pdf	Volume 3, Section 3.0 Volume 6, Section 2.1.4. Volume 10, Appendix 10D-5		
	m	Stockpiles;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 6.pdf, and Volume 10.pdf	Volume 3, Section 3.0 Volume 6, Section 2.1.4. Volume 10, Appendix 10D-5		
	n	Tailings containment areas;	NA	no tailings facility on site	—	—	—		
	o	Laydown areas;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Section 2.0 and 3.0		
	p	Quarries;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 6.pdf, and Volume 10.pdf	Volume 3, Sections 2.0 and 3.0 Volume 6, Section 2.1.3 and 2.1.4 Volume 10, Appendix 10D-6		
	q	Hazardous waste disposal area;	NA	No hazardous waste disposal facility onsite	—	—	—		
	r	Waste discharge distribution lines;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendices 10C-1, 10D-2, 10D-3.		

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	s	Fuel and chemical storage;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendices 10C-1, 10C-2, 10C-3, and 10D-4		
	t	Explosives manufacturing and storage;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf and Volume 10.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10C-1 and 10C-4		
	u	Abandoned and/or restored facilities;	Y	—	Mary River Project Bulk Sample Program March 2010 Abandonment and Reclamation Plan	2010 AR Plan_March 30 2010_excl attachments.pdf	Section 3.0		
	v	Existing on site infrastructure	Y	—	Mary River Project Bulk Sample Program March 2010 Abandonment and Reclamation Plan	2010 AR Plan_March 30 2010_excl attachments.pdf	Section 3.0		
	w	Others:	NA	—	—	—	—		
	2	Provide a Mine Plan Overview including:	Y	—	See below	—	—		
	a	Description of the location, physical nature, geology and mineralogy of the ore deposit and host rock.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 6.pdf	Volume 6, Section 2.0		
	b	Mine development plan and methods.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Sections 2.0 and 3.0		
	c	Description of any existing mine shafts or openings.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Section 1.0		
	d	Description of earthworks for mine development.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Sections 2.0 and 3.0		
	e	Milling operations including capacity of the mill.	NA	no onsite milling	—	—	—		
	f	Predicted rate of production.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Section 3.0		
	g	Expected life of the mine.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Sections 1.0 and 3.0		
	h	Camp and mine site population projections for each phase of the project.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Section 5.0		

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Environmental Setting	1	Provide a description of the regional and local setting.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 1.pdf	Volume 1, Section 2.1		
	2	Provide a description of the regional and local surface water regime.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 1.0		
	3	Provide a description of receiving lakes (lake id, hydrology, water quality).	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Sections 2.0 and 3.0		To be provided with application by BIMC
	4	Provide a description of the groundwater regime.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 6.pdf	Volume 6, Section 2.1.5		
	5	Provide a description of the usual break-up and freeze-up periods.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 5.pdf, Volume 7.pdf, and Volume 8.pdf	Volume 5, Section 1.1, Volume 7, Section 1.0, Volume 8, Section 2.0		
	6	Provide a description of the site conditions, including the location, topography, geologic and hydrologic characteristics, climate conditions and predicted future climate trends, seismicity, permafrost conditions and soil and rock conditions (provide test pit/ drill hole logs and laboratory test results).	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 5.pdf, and Volume 6.pdf	Volume 5, Section 1.0 Volume 6, Section 2.0		
	7	Provide a description of the ground condition for design and engineering of earthwork infrastructure, including:	Y	—	See below	—	—		
	a	Interim and permanent waste rock facilities	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 6.pdf, Volume 10.pdf, and App 10D-5.pdf	Volume 3, Sections 2.0 and 3.0, Volume 6, Section 2.0 Volume 10, Appendix 10D-5		
	b	Tailings containment area	NA	non onsite	—	—	—		
	c	Landfills	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 6.pdf, Volume 10.pdf, and App 10D-4.pdf	Volume 3, Sections 2.0 and 3.0, Volume 6, Section 2.1.3 Volume 10, Appendix 10D-4		
	d	Landfarms	NA	non expected	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 6.pdf, Volume 10.pdf, and App 10D-4.pdf	Volume 3, Sections 2.0 and 3.0, Volume 6, Section 2.1.3 Volume 10, Appendix 10D-4		
	e	Fuel and chemical storage facilities	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 6.pdf, Volume 10.pdf, and App 10D-4.pdf	Volume 3, Sections 2.0 and 3.0, Volume 6, Section 2.1.3 Volume 10, Appendix 10D-4		
	f	Explosives management areas and facilities	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 6.pdf, Volume 10.pdf, and App 10C-4.pdf	Volume 3, Sections 2.0 and 3.0, Volume 6, Section 2.0 Volume 10, Appendix 10C-4		
	g	Quarries or borrow pits	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 6.pdf, Volume 10.pdf, and App 10D-6.pdf	Volume 3, Sections 2.0 and 3.0, Volume 6, Section 2.0 Volume 10, Appendix 10D-6		
	h	Hazardous waste facilities	NA	non onsite	—	—	—		
	i	Wastewater treatment facilities	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 6.pdf, Volume 10.pdf, App 10D-2.pdf, and App 10D-3.pdf	Volume 3, Sections 2.0 and 3.0, Volume 6, Section 2.0 Volume 10, Appendices 10D-2 and 10D-3		
	j	Ore stockpiles and waste rock piles	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 6.pdf, Volume 10.pdf, and App 10D-5.pdf	Volume 3, Sections 2.0 and 3.0, Volume 6, Section 2.0 Volume 10, Appendix 10D-5		
	k	Overburden piles	NA	non onsite	—	—	—		
	l	Dewatering dikes	NA	non onsite	—	—	—		
	m	Mine rock geochemistry	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 6.pdf, and App 6B.pdf	Volume 6, Section 2.1.4 and Appendix 6B		
	8	Provide a description of the historical uses of the waters affected by the project.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 4.pdf	Volume 4, Section 10.0		
	9	Provide a description of any traditional uses of water in the project area.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 4.pdf	Volume 4, Section 10.0		

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	10	Indicate whether fish, shellfish, or other wildlife are present and harvested in or near discharge areas and, if applicable, indicate the species harvested and the level of harvest.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 4.pdf	Volume 4, Section 10.0		
	11	Provide the following streamflow data in cubic metres per second for each watercourse included in the application:	Y	—	See below	—	—		
	a	mean annual flow;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 2.0		
	b	mean summer flow;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 2.0		
	c	minimum summer flow;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 2.0		
	d	minimum annual flow;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 2.0		
	e	mean annual flood;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 2.0		
	f	maximum summer flood;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 2.0		
	g	mean summer flood;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 2.0		
	12	Provide bathymetric information for each water body in the application.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 2.0		
	13	Provide results of any assessment of the permeability of any faults and talks beneath water bodies.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 6.pdf	Volume 6, Section 2.0		
	14	Provide baseline data and an evaluation of baseline data describing surface and groundwater quality in the project area (physical, chemical, and biological characteristics).	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 3.0		
Fisheries	15	Provide baseline data and an evaluation of baseline data describing fish and fish habitat in the project area.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 4.0		
	16	Provide a fisheries assessment including:	Y	—	See below	—	—		
	a	Detailed area description (including photographic record);	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 4.0		
	b	Description of fish habitat (including river or lake bottom substrates such as silt, sand, or cobble);	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 4.0		
	c	Presence of sensitive habitats (spawning, migration corridors etc.);	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 4.0		
	d	Description of aquatic and riparian vegetation;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 4.0		
	e	Fish community and lifestage present;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 4.0		
	f	Depth and width of watercourse;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 4.0		
	g	Max/min water flows, currents, tides;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf and Volume 8.pdf	Volume 7, Section 4.0; Volume 8, Section 1.2		

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	h	Turbidity and sediment loads (total suspended solids);	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 3.0		
	i	Sport, commercial, subsistence fishery present.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 4.pdf	Volume 4, Section 10.0		
Studies	17	Provide a list of baseline studies, reports and plans relevant to the application that have been undertaken to date including:	Y	—	See below	—	—		
	a	Geotechnical studies;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 6.pdf	Volume 6, Section 2.1.3		
	b	Geochemical studies;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 6.pdf	Volume 6, Section 2.1.4		
	c	Water quality studies;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 3.0		
	d	Hydrological and hydrogeological studies;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 2.0		
	e	Traditional use studies;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 4.pdf	Volume 4, Section 10.0		
	f	Aquatic studies;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 4.0		
	g	Meteorological studies;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 5.pdf	Volume 5, Section 1.0		

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Water Use	1	Provide a detailed description of all types of water uses. (See the NWB definition of "use" in the NWB Guide 2: Terminology and Definitions). Categorize water consumption use(s) as either mining/industrial use and/or domestic use.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10D-2.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10 Appendix 10D-2		
Water Quality and Water Intake	2	Provide the name of the primary water source as well as the name of any alternative water source(s).	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10D-2.pdf	Volume 3, Sections 2.0 and 3.0 Volume 3, Figures 3-1.1 to Figure 3-2.9, incl. Volume 10 Appendix 10D-2		
	3	Provide a description of the source of water and the location of the water source as shown on a map.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10D-2.pdf	Volume 3, Sections 2.0 and 3.0 Volume 3, Figures 3-1.1 to Figure 3-2.9, incl. Volume 10 Appendix 10D-2		To be provided with application by BIMC
	4	Indicate the type of water source(s) as lake, river, well, or other type.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10D-2.pdf	Volume 3, Sections 2.0 and 3.0 Volume 3, Figures 3-1.1 to Figure 3-2.9, incl. Volume 10 Appendix 10D-2		
	5	Provide a description of the quality of the water from the source for each season (summer, fall, winter, spring).	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 3.0		
	6	Provide the capacity of the water source.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 2.0		
	7	Indicate the amount of water taken from each source and provide a description of the method of extraction including specific pumping rates, pumping procedures and potential for draw down.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10D-2.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-2		
	8	Provide the acquisition rate in cubic metres per day and cubic metres per year.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10D-2.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-2		
	9	Provide a description of the water intake method including the intake facility, the operating capacity of the pump used, the details of any screening to exclude fish, and the distance the pump will be placed from the ordinary high water mark of the watercourse.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10D-2.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-2		
	10	Provide a description of the general condition of any existing water intake facility. Rate the condition of the facility as satisfactory or unsatisfactory and explain the rating.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10D-2.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-2		
	11	Indicate whether water is drawn from the source intermittently or continuously and if intermittently indicate during what months it is drawn and for what period it is drawn (days/weeks/months).	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10D-2.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-2		
	12	Indicate the amount of water to be returned to the source.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10D-2.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-2		
	13	Provide a description of the methods to ensure water returned to source is of an acceptable quality.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10D-2.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-2		
	14	Provide a description of any hydrostatic testing programs, including water sources, and treatment/disposal requirements.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10D-2.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-2		
	15	Indicate the quantities of water required for ice road construction and provide a description of the methods of ice road construction.	NA	No ice road	—	—	—		
	16	Describe measures to reduce water consumption.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, and App 10D-2.pdf	Volume 10, Section 3.0 and Appendix 10D-2		

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Water Storage	17	Provide a description of any water storage facilities including the type (reservoir/pond, storage tank), location, design, and the water storage volume in cubic meters.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Sections 2.0 and 3.0		
	18	If the water storage facility is a reservoir, indicate whether the reservoir is lined, the type of liner and when it was or will be installed.	NA	no reservoirs onsite	—	Volume 3.pdf	—		
	19	Provide a description of the general condition of any existing water storage facility and provide an explanation if it is unsatisfactory.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Section 2.0		
Water Distribution	20	Provide a description of water distribution systems (i.e., piped water, trucked)	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10D-2.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-2		
	21	For each phase of development, calculate the total water consumed per day (L/day) by multiplying the estimated number of persons on the system by the estimated average water consumption (Litres/ capita/day). Calculate the total water consumed for each individual distribution system if more than one is used (i.e., piped water, trucked water).	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10D-2.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-2		
	22	Provide a description of the general condition of any existing water distribution system and provide an explanation if it is unsatisfactory.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10D-2.pdf	Volume 3, Section 2.0 Volume 10, Appendix 10D-2		
Watercourse Crossings and/or Trainings	23	Provide a description of any watercourse crossings including pipelines, bridges, culverts or roads.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Sections 2.0 and 3.0		
	24	Provide a description of any watercourse trainings including channel and bank alterations, culverts, spurs, erosion control, and artificial accretion.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Sections 2.0 and 3.0		
Flood Control	25	Provide a description of any flood control structures.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Sections 2.0 and 3.0		
Diversions	26	Provide a description of any diversions including ditches and dikes.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Sections 2.0 and 3.0		
Alterations in flow	27	Provide a description of any activities or structures that could alter the flow of a watercourse including dams, spillways, berms, cofferdams, and dikes.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Sections 2.0 and 3.0		
Dewatering	28	Provide a description of dewatering programs, if planned, including estimated quantities, qualities, methods and schedule of withdrawal, end use or discharge location.	NA	Dewatering not anticipated for the project	—	—	—		
	29	Provide an estimate of the quality and flow of groundwater that will flow into any open pits.	NA	Dewatering not anticipated for the project	—	—	—		
Water works	30	For each water work component provide the design plans stamped for construction. Design plans shall consider the following:	NA	For the items a to p, incl., below, drawings and specifications to be issued for construction will be provided during detailed engineering phase. Preliminary design plans, drawings, and management plans are presented in Volumes 3 and 10 that provide sufficient detail for DEIS requirements.	—	—	—		

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'	If 'NA' provide justification	Insert Title, Author and Date of Document where information is provided	Insert electronic file name of document where information is provided	Insert <u>Section of document</u> where information is provided	NWB Concordance Assessment	NIRB Guideline Section No.
	a	Name of the water body(s) affected.	NA	—	—	—	—		
	b	Site photos, site map, or air photos of the location.	NA	—	—	—	—		
	c	Description of the existing condition of the site (see section 5).	NA	—	—	—	—		
	d	Details of structures that will be placed in water on a temporary or permanent basis.	NA	—	—	—	—		
	e	In water work timing restriction for fisheries.	NA	—	—	—	—		
	f	Start and completion dates for construction.	NA	—	—	—	—		
	g	Construction sequence taking into account any timing restrictions.	NA	—	—	—	—		
	h	Methods of installation.	NA	—	—	—	—		
	i	Machinery to be used.	NA	—	—	—	—		
	j	Sedimentation and erosion control measures.	NA	—	—	—	—		
	k	Construction monitoring plans.	NA	—	—	—	—		
	l	Assessment of impacts to fish and fish habitat (see Section 6 item 39).	NA	—	—	—	—		
	m	Bank stabilization measures (size range of material).	NA	—	—	—	—		
	n	Operation and maintenance plans including instrumentation, monitoring and inspection requirements.	NA	—	—	—	—		
	o	Contingency plans.	NA	—	—	—	—		
	p	Remediation plans.	NA	—	—	—	—		
	31	Final plans and drawings for construction must be stamped by a Professional Engineer licensed to practice in Nunavut. (See Section 7 of the NWB's Guide 4: Completing and Submitting a Water Licence Application for more information regarding design drawings).	NA	—	—	—	—		
Predicted Environmental Effects and Proposed mitigation measures	32	Provide a description of the effects of water usage on the river or lake from which water will be drawn.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 2.0		
	33	Provide a description of any expected changes in surface water flow or storage.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 2.0		
	34	If the cross-section of any watercourse is changed, provide a description of the change and its effect on the flow capacity of the channel.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 2.0		
	35	If the course of any channel is changed, provide a description of measures to maintain stream bed and bank stability.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, and App 10D-2.pdf	Volume 10, Appendix 10D-2		
	36	Provide a description of mitigation measures that will be implemented when working in close proximity to water.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, and App 10D-2.pdf	Volume 10, Appendix 10D-2		
	37	Describe measures of preventing surface water from coming into contact with waste and measures of managing surface water that does come into contact with waste (surface water management plan).	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, and App 10D-2.pdf	Volume 10, Appendix 10D-2		
	38	Describe measures of preventing groundwater from coming into contact with waste and measures of managing groundwater that does come into contact with waste (groundwater management plan).	NA	Groundwater not applicable due to permafrost	—	—	—		

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Fisheries	39	Provide a description of any potential impacts to fish and/or fish habitat. (Indirect effects may include project effects, water quality, or aquatic organisms. Direct effects may include degradation or alteration of fish habitat). The applicant is advised to consult with DFO regarding fish and fish habitat related issues.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf, Volume 10.pdf, and App 10D-7.pdf	Volume 7, Section 4.0 Volume 10, Appendix 10D-7		
	a	Potential effects on fish or fish habitat;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf, Volume 10.pdf, and App 10D-7.pdf	Volume 7, Section 4.0 Volume 10, Appendix 10D-7		
	b	The area in square metres to be impacted;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf, Volume 10.pdf, and App 10D-7.pdf	Volume 7, Section 4.0 Volume 10, Appendix 10D-7		
	c	Measures to avoid sensitive periods and habitat areas (i.e., spawning beds, migration corridors);	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf, Volume 10.pdf, App 10D-7.pdf, and App 10D-2.pdf	Volume 7, Section 4.0 Volume 10, Appendix 10D-7 Volume 10, Section 3.5, Appendix 10D-2 and Appendix 10D-7		
	d	Measures to avoid physical impacts on habitat;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf, Volume 10.pdf, App 10D-7.pdf, and App 10D-2.pdf	Volume 7, Section 4.0 Volume 10, Appendix 10D-7 Volume 10, Section 3.5, Appendix 10D-2 and Appendix 10D-7		
	e	Measures to maintain flows and fish passage;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf, Volume 10.pdf, App 10D-7.pdf, and App 10D-2.pdf	Volume 7, Section 4.0 Volume 10, Appendix 10D-7 Volume 10, Section 3.5, Appendix 10D-2 and Appendix 10D-7		
	f	Measures to avoid sedimentation;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, App 10D-7.pdf, and App 10D-2.pdf	Volume 10, Appendix 10D-7 Volume 10, Section 3.5, Appendix 10D-2 and Appendix 10D-7		
	g	Measures to avoid spills;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, and App 10C-1.pdf	Volume 10, Section 6.0 Appendix 10C-1		
	h	Detailed habitat no-net-loss plan and site restoration plan;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, and App 10D-7.pdf	Volume 10, Appendix 10D-7		
Studies	40	Provide a list of studies, reports and plans relevant to the application that have been undertaken to date, including:	Y	—	See below	—	—		
	a	Water management plan including water balance;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, and App 10D-2.pdf	Volume 10, Appendix 10D-2		
	b	Construction plan and construction schedule for water works;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, and Volume 10.pdf	Volume 3, Section 1.3 Volume 10, Section 11.0		
	c	Operation and maintenance plan;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, App 10B.pdf, and App 10D-2.pdf	Volume 10, Sections 7.0 and 11.0, Appendices 10B and 10D-2		
	d	Implementation schedule for construction of works, submission of studies and mitigation plans for operations and closures;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, and Volume 10.pdf	Volume 3, Section 1.3 Volume 10, Sections 7.0 and 10.0.		
	e	Remediation plans for water works infrastructure;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf	Volume 10, Appendix 10G		
	f	Fisheries assessment;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 4.0		
	g	Monitoring plan.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10D-1.pdf to App 10D-11.pdf	Volume 7, Section 4.0 Volume 10, Section 7.0 and 11.0, Appendices 10D		

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Waste Disposal	1	Provide a detailed description of all forms of waste disposal (see the NWB definition of Waste in the NWB <i>Guide</i> 2:	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, App 10D-3.pdf, and App 10D-4.pdf	Volume 3, Section 2.0 and 3.0. Volume 10, Section 3.7, Appendix 10D-3 and 10D-4.		
		Terminology and Definitions) indicating the type of waste(s) generated and/or to be deposited.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10, pdf, App 10D-4.pdf	Volume 10, Appendix 10D-4		
Waste Disposal: Quality and Quantity	2	For each type of waste, provide the composition and quantity generated. Also provide the location, rate, timing, frequency, and duration of the deposit.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10, pdf, App 10D-4.pdf	Volume 10, Appendix 10D-4		To be provided with application by BIMC
	3	For each type of waste, provide the proposed methods and processes for collecting, storing, treating and discharging the waste. Indicate the capacity of these facilities.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10, pdf, App 10D-4.pdf	Volume 10, Appendix 10D-4		
	4	For each waste facility, provide a description of the construction methods, type and composition of the materials to be used in the construction of the structure, equipment to be used, schedule, quality assurance/ quality control measures, and inspection and maintenance procedures.	NA	These details will be provided during the detailed engineering phase	—	—	—		
	5	For each waste facility provide the design plans stamped for construction. The designs shall include:	NA	For the items a to v, incl., below drawings and specifications to be issued for construction will be provided during detailed engineering phase. Preliminary design plans, drawings, and management plans are presented in Volume 3 and 10 that provide sufficient detail for DEIS requirements.	—	—	—		
	a	A description of the types of waste entering the facility (if applicable, provide a description of the source, type, and quantity of the waste);	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10, pdf, App 10D-4.pdf	Volume 10, Appendix 10D-4		
	b	The concentration of waste entering the facility;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10, pdf, App 10D-4.pdf	Volume 10, Appendix 10D-4		
	c	The geochemical characterization of waste entering the facility, where applicable;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 6.pdf, Volume 10.pdf, and App 10D-5.pdf	Volume 6, Section 2.1.4, Volume 10, Appendix 10D-5		
	d	Details of the drainage basin;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf, Volume 10.pdf, and App 10D-2.pdf	Volume 7, Section 1.0 and 2.0 Volume 10, Appendix 10D-2		
	e	Distance of the facility from watercourses and fish bearing waters;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf, Volume 10.pdf, App 10D-4.pdf, App 10D-5.pdf, and App 10D-7.pdf	Volume 7, Section 4.0 Volume 10, Appendices 10D-4, 10D-5, and 10D-7		
	f	All sources of seepage encountered near watercourse and fish bearing waters as well as the volumes (m3/day) and direction of any seepage;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 6.pdf, Volume 10.pdf, and App 10D-5.pdf	Volume 6, Section 2.1.4, Volume 10, Appendix 10D-5		
	g	Existing and proposed drainage modifications;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, App 10D-2.pdf, and App 10D-5.pdf	Volume 3, Sections 2.0 and 3.0, Volume 10, Appendices 10D-2 and 10D-5.		
	h	Details of retaining structures;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Sections 2.0 and 3.0.		
	i	Level of treatment (primary, secondary or tertiary);	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, App 10D-2.pdf, App 10D-3.pdf, App 10D-4.pdf, and App 10D-5.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Section 3.4, Appendices 10D-2, 10D-3, 10D-4, and 10D-5.		
	j	By products of treatment which may require further treatment, characterization, handling and disposal;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, App 10D-3.pdf, App 10D-4.pdf, and App 10D-5.pdf	Volume 10, Appendices 10D-3, 10D-4, and 10D-5.		
	k	Capacity and retention time of the facility;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, App 10D-3.pdf, App 10D-4.pdf, and App 10D-5.pdf	Volume 3, Sections 2.0 and 3.0, Volume 10, Appendices 10D-3, 10D-4, and 10D-5.		
	l	Identification of final discharge point (last point of control);	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 7.pdf, App 10D-2.pdf, App 10D-3.pdf, App 10D-4.pdf, and App 10D-5.pdf	Volume 3, Sections 2.0 and 3.0, Volume 7, Section 3.0, Appendices 10D-2, 10D-3, 10D-4, and 10D-5.		

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	m	Method and type of discharge (seasonal, annual, continuous);	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 7.pdf, App 10D-2.pdf, App 10D-3.pdf, App 10D-4.pdf, and App 10D-5.pdf	Volume 3, Sections 2.0 and 3.0, Volume 7, Section 3.0, Appendices 10D-2, 10D-3, 10D-4, and 10D-5.		
	n	Estimated rates for discharge;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 7.pdf, App 10D-2.pdf, App 10D-3.pdf, App 10D-4.pdf, and App 10D-5.pdf	Volume 3, Sections 2.0 and 3.0, Volume 7, Section 3.0, Appendices 10D-2, 10D-3, 10D-4, and 10D-5.		
	o	Restrictions on discharge;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 7.pdf, App 10D-2.pdf, App 10D-3.pdf, App 10D-4.pdf, and App 10D-5.pdf	Volume 3, Sections 2.0 and 3.0, Volume 7, Section 3.0, Appendices 10D-2, 10D-3, 10D-4, and 10D-5.		
	p	Discharge effluent criteria proposed;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf, Volume 10.pdf, App 10D-2.pdf, App 10D-3.pdf, and App 10D-5.pdf	Volume 7, Section 3.0, Volume 10, Section 3.4, Appendices 10D-2, 10D-3, 10D-5.		
	q	Receiving water quality objectives;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf, Volume 10.pdf, App 10D-2.pdf, App 10D-3.pdf, and App 10D-5.pdf	Volume 7, Section 3.0, Volume 10, Section 3.4, Appendices 10D-2, 10D-3, 10D-5.		
	r	Capacity of the receiving environment;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 3.0.		
	s	Details regarding direction and path of wastewater flow from the area or infrastructure;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10D-2.pdf	Volume 3, Sections 2.0 and 3.0, Volume 10, Appendix 10D-2.		
	t	Mitigation measures;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, App 10D-2.pdf, App 10D-3.pdf, App 10D-4.pdf, and App 10D-5.pdf	Volume 10, Appendices 10D-2, 10D-3, 10D-4, and 10D-5.		
	u	Contingency measures;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, App 10D-2.pdf, App 10D-3.pdf, App 10D-4.pdf, and App 10D-5.pdf	Volume 10, Sections 6.0, Appendices 10D-2, 10D-3, 10D-4, and 10D-5.		
	v	Remediation objectives;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10G.pdf	Volume 3, Section 4.0, Volume 10, Appendix 10G		
	6	Final plans and drawings for construction must be stamped by a Professional Engineer licensed to practice in Nunavut. (See Section 7 of the NWB's Guide 4: Completing and Submitting a Water Licence Application for more information regarding design drawings).	NA	Construction drawings yet to be issued	—	—	—		
	7	Describe any measures proposed to minimize the production of wastes.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, App 10D-3.pdf, and App 10D-4.pdf	Volume 10, Section 2.0, Appendices 10D-3 and 10D-4		
	8	Provide detailed plans regarding the disposal of any lake bottom sediments	NA	Activity is not planned.	—	—	—		
	9	Provide a description of the general condition of any existing waste facilities and provide an explanation if it is unsatisfactory.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, App 10D-3.pdf, and App 10D-4.pdf	Volume 10, Appendices 10D-3 and 10D-4		
Predicted Environmental Effects and Proposed mitigation measures	10	Provide detailed treatment plans for discharges from any tailings containment area, as well as treatment plans for discharges from attenuation ponds or reclaim ponds. Water treatment plans should include estimates of treatment efficiency for each parameter of concern and a description of pH adjustment methods.	NA	no tailings impoundments onsite	—	—	—		
	11	Clearly outline proposed discharge criteria, how the criteria were developed, standards to be applied, and how these criteria will be used to prevent ecological effects in the receiving environment.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf, Volume 10.pdf, App 10D-2.pdf, App 10D-3.pdf, and App 10D-5.pdf	Volume 7, Section 3.0, Volume 10, Section 3.4, Appendices 10D-2, 10D-3, 10D-5.		
	12	If waste is expected to infiltrate into the ground, provide a description of the sub-surface soil compositions and provide information on groundwater elevations for the project area. Also provide the proximity between the proposed waste disposal system and the groundwater elevation.	NA	Wastes are not expected to infiltrate into the ground	—	—	—		
	13	Provide a discussion of the consequences of long-term stratification in any pit lakes and associated contingency plans.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, and Volume 10.pdf	Volume 3, Section 4.0, Volume 10, Appendix 10G		

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	14	Provide the geochemical characteristics of any quarry or borrow material and the methods used to determine the characteristics.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 6.pdf, App 6B-2.pdf, and App 6B-3.pdf	Volume 6, Appendices 6B-2 and 6B-3		
	15	Provide the geochemical characteristics of host rock, ore, waste rock and tailings and the methods used to determine the characteristics.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 6.pdf, and App 6B-1.pdf	Volume 6, Appendix 6B-1		
	16	Provide designs for the fuel tank farm facilities including a description of the nearest water bodies. Provide an evaluation of impacts and mitigation measures in case of a fuel spill.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 9.pdf, App 10C-1.pdf, App 10C-2.pdf, and App 10C-3.pdf	Volume 3 Sections 2.0 and 3.0 Volume 9, Section 3.0 Appendices 10C, 10C-1, 10C-2, 10C-3		
	17	Provide detailed contingency plans for the treatment of turbid water during dewatering activities and/or increased suspended solids during operations (i.e. dewatering).	NA	No dewatering	—	—	—		
Operations and Maintenance	18	If the project includes sewage and/or solid waste disposal, provide an Operations and Maintenance Manual in accordance with the "Guidelines for the Preparation of an Operations and Maintenance Manual for Sewage and Solid Waste Disposal Facilities in the Northwest Territories, 1996".	Y	To be provided upon the completion of final design engineering.	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, and App 10D-3.pdf	Volume 10, Appendix 10D-3 provided example.		
Hazardous Materials	19	Provide a description of the type of petroleum products, chemicals and/or hazardous materials on site.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10D-4.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-4		
	20	Provide details regarding the handling and storage of petroleum products, chemicals or other hazardous or potentially hazardous materials.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10D-4.pdf	Volume 3, Sections 2.0 and 3.0; Volume 10, Appendix 10D-4		
Emergency Response and Spill Contingency	21	Provide an Emergency Response and Spill Contingency Plan (ERSCP) consistent with established Water Board guidelines.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, and App 10C.pdf	Volume 10, Appendix 10C		
	22	Plan(s) shall address phases of the project including construction, operation, and care & maintenance.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, App 10C-1.pdf, App 10C-2.pdf, and App 10C-3.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Section 7.0 and Appendices 10C-1, 10C-2, and 10C-3.		
	23	Provide an explanation of how the applicant will ensure project contractors meet the applicant's due diligence standards with respect to oil and hazardous material spill prevention, preparedness, response, and restoration.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, and all Volume 10 Appendices (App 10A.pdf to App 10H.pdf)	Volume 10, All Sections. Volume 10, Appendices.		
Studies	24	Provide a list of studies, reports and plans relevant to the application that have been undertaken to date including design and management decisions. Studies, reports and plans may include:	Y	—	See below	—	—		
	a	Waste management;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10D-4.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-4		
	b	Waste rock management;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 6.pdf, Volume 10.pdf, App 6B.pdf, and App 10D-5.pdf	Volume 6, Section 2.0, Appendix 6B, Volume 10, Appendix 10D-5		
	c	Tailings management;	NA	no tailings onsite	—	—	—		
	d	Metal leaching/acid rock drainage management;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 6.pdf, Volume 10.pdf, App 6B.pdf, and App 10D-5.pdf	Volume 6, Section 2.0, Appendix 6B, Volume 10, Appendix 10D-5		
	e	Landfill management;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10D-4.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-4		
	f	Landfarm management;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10D-4.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-4		
	g	Quarry Management;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 6.pdf, Volume 10.pdf, App 6B.pdf, and App 10D-6.pdf	Volume 6, Section 2.0, Appendix 6B, Volume 10, Appendix 10D-6		
	h	Incineration management;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10D-4.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-4		
	i	Hazardous waste management;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10D-4.pdf	Volume 3, Sections 2.0 and 3.0 Volume 10, Appendix 10D-4		

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'	If 'NA' provide justification	Insert Title, Author and Date of Document where information is provided	Insert electronic file name of document where information is provided	Insert Section of document where information is provided	NWB Concordance Assessment	NIRB Guideline Section No.
	j	Water management;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 7.pdf, Volume 10.pdf, App 10D-2.pdf, App 10D-3.pdf, App 10D-4.pdf, and App 10D-5.pdf	Volume 3, Sections 2.0 and 3.0, Volume 7, Section 2.0 and 3.0, Volume 10, Appendix 10D-2, 10D-3, 10D-4, and 10D-5.		
	k	Geotechnical and geothermal assessment;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 6.pdf	Volume 6, Section 2.0		
	l	Permafrost protection;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 6.pdf, Volume 10.pdf, and App 10D-8.pdf	Volume 6, Section 2.0, Volume 10, Appendix 10D-8		
	m	Water quality modeling;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 7.pdf	Volume 7, Section 3.0		
	n	Snow drift assessments;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 5.pdf	Volume 5, Section 1.0		
	o	Leachate and groundwater collection systems;	NA	only minor groundwater due to permafrost	—	—	—		
	p	Wastewater treatment;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, App 10D-3.pdf	Volume 3, Section 2.0 and 3.0, Volume 10, Appendix 10D-3		
	q	Operation and maintenance plan;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf	Volume 10, Sections 1, 4, 6 and 7		
	r	Inspection plan;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf	Volume 10, Sections 1, 4, 6 and 7		
	s	General monitoring;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, and App 10D-1.pdf to App 10D-11.pdf	Volume 10, Appendices 10D		
	t	Tailings monitoring;	NA	no tailings onsite	—	—	—		
	u	Mine site water quality monitoring;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, and App 10D-2.pdf	Volume 10, Appendix 10D-2		
	v	Receiving water quality monitoring;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, and App 10D-2.pdf	Volume 10, Appendix 10D-2		
	w	Aquatic effects monitoring;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 7.pdf, Volume 10.pdf, App 10D-2.pdf, App 10D-3.pdf, and App 10D-5.pdf	Volume 3, Section 2.0 and 3.0, Volume 7, Section 3.0, Volume 10, Appendix 10D-2, 10D-3, and 10D-5		
	x	Geotechnical and structural monitoring;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, and App 10D-4.pdf	Volume 10, Sections 3.0 and 7.0, Appendices 10D-4		
	y	Quality assurance and quality control;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, and App 10D-1.pdf to App 10D-11.pdf	Volume 10, Section 7.0, Appendices 10D		
	z	Spill contingency and emergency response plans;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, and App 10C.pdf	Volume 10, Appendix 10C		
	aa	Interim and final abandonment and reclamation plans for the mine site;	NA	Preliminary plan has been developed	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10G.pdf	Volume 3, Section 4.0, Volume 10, Appendix 10G		
	bb	Remediation plans for waste disposal infrastructure;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10G.pdf	Volume 3, Section 4.0, Volume 10, Appendix 10G		
	cc	Human health and ecological risk assessment for establishment of remediation objectives for closure;	NA	Preliminary plan has been developed	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf, Volume 10.pdf, and App 10G.pdf	Volume 3, Section 4.0, Volume 10, Appendix 10G		
	dd	The collection of weather data for purposes of mine design;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 5.pdf, and App 5A.pdf	Volume 5, Appendix 5A		
	ee	Construction plan and construction schedule for waste disposal infrastructure;	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Section 1.3		
	ff	Implementation schedule for construction of works, submission of studies and mitigation plans for operations and closure	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Section 1.3		
	gg	Options analysis.	Y	—	Mary River Project Draft Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 3.pdf	Volume 3, Section 6.0		

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA '	If 'NA' provide justification	Insert Title, Author and Date of Document inserting • Y • or • NA 'information where information is provided	Insert electronic file name of document where information is provided	Insert <u>Section of document</u> where is provided	NWB Concordance Assessment	NIRB Guideline Section No.
Monitoring	1	Provide a Monitoring Plan including a description of the methods, procedures, standards, and schedules proposed. Monitoring may be required for water use; effluent, surface and/or groundwater water quality, quantity, or flow; ground temperature; ground settlement; etc. The Monitoring Plan must consider the life of the project, temporary closure and permanent closure.	Y	—	Mary River Project Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, and all Volume 10 Appendices (App 10D-1.pdf to App 10D-11.pdf)	Volume 10, Section 7.0 Appendices 10D		
	2	Indicate who is responsible for sampling including that person's position, contact information and level of training.	NA	to be provided prior to the commencement of construction	—	—	—		
	3	Indicate the name and contact information of the certified laboratory performing the analysis of samples.	NA	to be provided prior to the commencement of construction	—	—	—		To be provided with application by BIMC
	4	Provide an Inspection Plan including a description of the methods, procedures, standards, and schedules proposed. Inspections may be required for engineered facilities related to the management of water and waste as well as spills. The Inspection Plan must consider the life of the project, temporary closure and permanent closure.	Y	—	Mary River Project Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, and all Volume 10 Appendices (App 10D-1.pdf to App 10D-11.pdf)	Volume 10, Section 7.0 Appendices 10D		
	5	Provide a summary table of all monitoring commitments that details all Surveillance Network Program (SNP) locations. The table should include parameter(s), location, frequency, and mining phase, along with, cross-referencing to sub-documents where detailed information is provided. Where appropriate, a map detailing the location of monitoring sites is to be provided.	Y	To be developed during future technical consultations. Existing/conceptual monitoring plans are available.	Mary River Project Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, and all Volume 10 Appendices (App 10D-1.pdf to App 10D-11.pdf)	Volume 10, Section 7.0. Appendices 10D		
	6	Provide a summary table of the expected quality and quantity of waters, over time in all sumps, SNP stations, and discharge points, along with i) if applicable, adaptive management criteria to benchmark if mitigation/contingency are to be implemented, ii) if applicable, water quality criteria, and iii) management action.	Y	Partially developed at present time. To be fully developed after completion of final design work and future technical consultations. Existing/conceptual monitoring plans are available.	Mary River Project Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, and App 10D-2.pdf	Volume 10, Appendices 10D-2		
	7	Provide a monitoring plan for incinerator emissions (including, but not limited to, stack testing and annual reporting).	Y	—	Mary River Project Environmental Impact Statement, Baffinland Iron Mines Corporation, December 2010	Volume 10.pdf, and App 10D-4.pdf	Volume 10, Section 7.0 and Appendix 10D-4		



General Water Licence Application
(Application for a new Water Licence)

April 2010

P.O. BOX 119
GJOA HAVEN, NUNAVUT
XOB 1J0
TEL: (867) 360-6338
FAX: (867) 360-6369

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NUNAVUT IMALIRIYIN KATIMAYINGI
NUNAVUT WATER BOARD
OFFICE DES EAUX DU NUNAVUT

DOCUMENT MANAGEMENT

Original Document Date: April 2010

DOCUMENT AMENDMENTS

	Description	Date
(1)	DRAFT Submission with DEIS	December 2010
(2)		
(3)		
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
(10)		



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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

GENERAL WATER LICENCE APPLICATION (APPLICATION FOR NEW WATER LICENCE)

The applicant is referred to the NWB's Guide 4: Guide to Completing and Submitting a Water Licence Application for a New Licence for more information about this application form.

LICENCE NO: (for NWB use only)																						
1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION (name, address) Company name: Baffinland Iron Mines Corporation Address: Suite 1016, 120 Adelaide Street West, Toronto, Ontario M5H 1T1 Contact name: Matthew Pickard cc: Jim Millard Phone: (416) 814-3963 or (902) 403-1337 Fax: (416) 364-0183 e-mail: matthew.pickard@baffinland.com ; jim.millard@baffinland.com	2. APPLICANT REPRESENTATIVE CONTACT INFORMATION if different from Block 1 (name, address) Phone: _____ Fax: _____ e-mail: _____ (Attach authorization letter.)																					
3. NAME OF PROJECT (including the name of the project location) <u>Mary River Project, North Baffin Island, Qikiqtani Region</u>																						
4. LOCATION OF UNDERTAKING Project Extents NW: Latitude: (72° 05' 00" N) Longitude: (77° 45' 00" W) NE: Latitude: (72° 05' 00" N) Longitude: (81° 00' 00" W) SE: Latitude: (69° 49' 00" N) Longitude: (81° 00' 00" W) SW: Latitude: (69° 49' 00" N) Longitude: (77° 45' 00" W) Camp Location(s) <table border="0"> <tr> <td>Mine Site Camp</td> <td>Latitude: (71°, 19', 0" N)</td> <td>Longitude: (79°, 18', 13" W)</td> </tr> <tr> <td>Steensby Port Camp</td> <td>Latitude: (70°, 17', 58" N)</td> <td>Longitude: (78°, 29', 56" W)</td> </tr> <tr> <td>Milne Port Camp</td> <td>Latitude: (71°, 52', 51" N)</td> <td>Longitude: (80°, 54', 3" W)</td> </tr> <tr> <td>Ravn River Camp</td> <td>Latitude: (71°, 8' 32" N)</td> <td>Longitude: (78°, 22', 33" W)</td> </tr> <tr> <td>Expanded Mid Rail Camp</td> <td>Latitude: (70°, 58', 15" N)</td> <td>Longitude: (78°, 21', 35" W)</td> </tr> <tr> <td>Cockburn Lk Camp (100 persons)</td> <td>Latitude: (70°, 34', 35" N)</td> <td>Longitude: (78°, 9', 57" W)</td> </tr> <tr> <td>Cockburn Lk Camp (400 persons)</td> <td>Latitude: (70°, 27', 57" N)</td> <td>Longitude: (78°, 22', 9" W)</td> </tr> </table>		Mine Site Camp	Latitude: (71°, 19', 0" N)	Longitude: (79°, 18', 13" W)	Steensby Port Camp	Latitude: (70°, 17', 58" N)	Longitude: (78°, 29', 56" W)	Milne Port Camp	Latitude: (71°, 52', 51" N)	Longitude: (80°, 54', 3" W)	Ravn River Camp	Latitude: (71°, 8' 32" N)	Longitude: (78°, 22', 33" W)	Expanded Mid Rail Camp	Latitude: (70°, 58', 15" N)	Longitude: (78°, 21', 35" W)	Cockburn Lk Camp (100 persons)	Latitude: (70°, 34', 35" N)	Longitude: (78°, 9', 57" W)	Cockburn Lk Camp (400 persons)	Latitude: (70°, 27', 57" N)	Longitude: (78°, 22', 9" W)
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See December 2010 DEIS, Volume 3 and Figures 3-1.1 and 3-1.2 for project location map and location of project activities.																						

5. MAP - Attach a topographical map, indicating the main components of the undertaking.

NTS Map Sheet No.: 37F, 37G, 47H Map Scale: 1:250,000

See December 2010 DEIS, Volume 3 and Figures 3-1.1 and 3-1.2 for project location map and location of project activities.

6. NATURE OF INTEREST IN THE LAND - Check any of the following that are applicable to the proposed undertaking (at least one box under the 'Surface' header must be checked).

Sub-surface

☐ Mineral Lease from Nunavut Tunngavik Incorporated (NTI)
Date (expected date) of issuance: _____ Date of expiry: _____

☒ Mining Lease from Indian and Northern Affairs Canada (INAC)
Date (expected date) of issuance: 1992 Date of expiry: 2013

Surface

☒ Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC)
Date (expected date) of issuance: 2012 Date of expiry: TBC

☐ Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA)
Date (expected date) of issuance: _____ Date of expiry: _____

☐ IOL Authorization from Kivalliq Inuit Association (KivIA)
Date (expected date) of issuance: _____ Date of expiry: _____

☒ IOL Authorization from Qikiqtani Inuit Association (QIA)
Date (expected date) of issuance: 2012 Date of expiry: TBC

☒ Commissioner's Land Use Authorization
Date (expected date) of issuance: 2012 Date of expiry: TBC

☒ Other: Exploration agreement with NTI for a land package surrounding Mining Leases 2483, 2484, and 2485.
Date (expected date) of issuance: 2008 Date of expiry: 2013

Name of entity(s) holding authorizations: Baffinland Iron Mines Corporation

See also December 2010 DEIS, Volume 2, Section 2.0.

7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION

Indicate the land use planning area in which the project is located.

- | | |
|--|---|
| <input checked="" type="checkbox"/> North Baffin | <input type="checkbox"/> Keewatin |
| <input type="checkbox"/> South Baffin | <input type="checkbox"/> Sanikiluaq |
| <input type="checkbox"/> Akunnig | <input type="checkbox"/> West Kitikmeot |

Is a land use plan conformity determination required?

- ☒ Yes ☐ No

If Yes, indicate date issued and attach copy _____

If No, provide written confirmation from NPC confirming that a land use plan conformity review is not required.

See December 2010 DEIS, Volume 2, Section 2.2.1 for status of land use conformance.

8. NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION

Is an Article 12 Part 4 screening determination required? See Note below.

- ☐ Yes ☐ No

If Yes, indicate date issued and attach copy _____

If No, provide written confirmation from NIRB confirming that a screening determination is not required.

In correspondence dated February 11, 2009, the Minister of Indian and Northern Affairs Canada (the Minister) referred the Project to the NIRB for a Review under Part 5 of Article 12 of the NLCA.

9. DESCRIPTION OF UNDERTAKING – List and attach plans and drawings or project proposal.

See December 2010 DEIS, Volume 3 for detailed Project Description.

10. OPTIONS – Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.

See December 2010 DEIS, Volume 2, Section 6.0 for discussion of Project alternatives.

- 11. CLASSIFICATION OF PRIMARY UNDERTAKING** - Indicate the primary classification of undertaking by checking one of the following boxes.

- | | |
|--|--|
| <input type="checkbox"/> Industrial | <input type="checkbox"/> Agricultural |
| <input checked="" type="checkbox"/> Mining and Milling (includes exploration/drilling/exploration camps) | |
| <input type="checkbox"/> Conservation | |
| <input type="checkbox"/> Municipal (includes camps/lodges) | <input type="checkbox"/> Recreational |
| <input type="checkbox"/> Power | <input type="checkbox"/> Miscellaneous (describe below): |
-

See Schedule II of *Northwest Territories Waters Regulations* for Description of Undertakings.

Information in accordance with applicable Supplemental Information Guidelines (SIG) must be submitted with a New Water Licence Application. Indicate which SIG(s) are applicable to your application.

- ☒ Hydrostatic Testing
- ☐ Tannery
- ☐ Tourist / Remote Camp
- ☒ Landfarm & On-Site Storage of Hydrocarbon Contaminated Soil
- ☐ Onshore Oil and Gas Exploration Drilling
- ☒ Mineral Exploration / Remote Camp
- ☒ Advanced Exploration
- ☒ Mine Development
- ☐ Municipal
- ☒ General Water Works
- ☒ Power

- 12. WATER USE** - Check the appropriate box(s) to indicate the type(s) of water use(s) being applied for.

- | | |
|--|--|
| <input checked="" type="checkbox"/> To obtain water for camp/ municipal purposes | <input checked="" type="checkbox"/> To divert a watercourse |
| <input checked="" type="checkbox"/> To obtain water for industrial purposes | <input checked="" type="checkbox"/> To modify the bed or bank of a watercourse |
| <input checked="" type="checkbox"/> To cross a watercourse | <input checked="" type="checkbox"/> Flood control |
| <input checked="" type="checkbox"/> To alter the flow of, or store water | |
| <input type="checkbox"/> Other: _____ | |

- 13. QUANTITY AND QUALITY OF WATER INVOLVED** - For each type of water use indicated in Block 12, provide the source of water, the quality of the water source and available capacity, the estimated quantity to be used in cubic meters per day, method of extraction, as well as the quantities and qualities of water to be returned to source.

Name of water source(s) (show location(s) on map):

Refer to December 2010 DEIS Volume 3, Figures 3-1.2, 3-2.1, 3-2.2, 3-2.3, 3-2.4, and 3-2.9 for water source locations during construction and operation phases.

Describe the quality of the water source(s) and the available capacity:

Refer to December 2010 DEIS Volume 7, Section 3.0,

Provide the overall estimated quantity of water to be used:

Refer to December 2010 DEIS Volume 3, Table 3-1.1, and Volume 10, Appendix 10D-2

Provide the estimated quantity(s) of water to be used from each source:

Refer to December 2010 DEIS Volume 10, Appendix 10D-2

Indicate the estimated quantities to be used for each purpose (camp, drilling, etc.)

Refer to December 2010 DEIS Volume 10, Appendix 10D-2

Describe the method of extraction(s):

Refer to December 2010 DEIS Volume 3 and Volume 10, Appendix 10D-2

Estimated quantity(s) of water returned to source(s)

Refer to December 2010 DEIS Volume 3 and Volume 7

Describe the quality of water(s) returned to source(s):

Refer to December 2010 DEIS Volume 3 and Volume 7

- 14. WASTE** – Check the appropriate box(s) to indicate the types of waste(s) generated and deposited.

☒ Sewage

☒ Solid Waste

☒ Hazardous

☒ Bulky Items/Scrap Metal

☐ Animal Waste

☐ Other (describe): _____

☒ Waste oil

☒ Greywater

☒ Sludges

☒ Contaminated soil and/or water

- 15. QUANTITY AND QUALITY OF WASTE INVOLVED** – For each type of waste indicated in Block 14, describe its composition, quantity in cubic meters/day, method of treatment and method of disposal.

Type of Waste	Composition	Quantity Generated	Treatment Method	Disposal Method
<u>Refer to December 2010 DEIS, Volume 3, Sections 2.1.10 and 4.3.9. Volume 10, Appendix 10D-4.</u>				

- 16. OTHER AUTHORIZATIONS** – In addition to the sub-surface and surface land use authorizations provided in Block 6, indicate any other authorizations required in relation to the proposed undertaking. For each provide the following:

Authorization: Refer to December 2010 DEIS, Volume 2, Section 2.0 for regulatory framework.

Administering Agency: _____

Project Activity: _____

Date (expected date) of issuance: _____ Date of expiry: _____

- 17. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES** - Describe direct, indirect, and cumulative impacts related to water and waste.

Refer to December 2010 DEIS:

Volume 5- Atmospheric Environment, Volume 6- Terrestrial Environment, Volume 7- Fresh Water Environment, Volume 9- Cumulative Effects. Proposed Mitigation measures are presented in Volume 10, Appendix 10D - Environmental Monitoring and Mitigation Plans.

- 18. WATER RIGHTS OF EXISTING AND OTHER USERS OF WATER**

Provide the names, addresses and nature of use for any known persons or properties that may be adversely affected by the proposed undertaking, including those that hold licences for water use in precedent to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature.

There are none known to be affected.

Advise the Board if compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.

N/A

- 19. INUIT WATER RIGHTS**

Advise the Board of any substantial affect of the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL), and advise the Board if negotiations have commenced or an agreement to pay compensation for any loss or damage has been reached with one or more Designated Inuit Organization (DIO).

There is no substantial effect.

- 20. CONSULTATION** – Provide a summary of any consultation meetings including when the meetings were held, where and with whom. Include a list of concerns expressed and measures to address concerns.

Refer to December 2010 DEIS, Volume 2, Section 1.0.

21. SECURITY INFORMATION

Provide an estimate of the total financial security for final reclamation equal to the total outstanding reclamation liability for land and water combined sufficient to cover the highest liability over the life of the undertaking. Estimates of reclamation costs must be based on the cost of having the necessary reclamation work done by a third party contractor if the operator defaults. The estimate must also include contingency factors appropriate to the particular work to be undertaken.

Where applicable, the financial security assessment should be prepared in a manner consistent with the principals respecting mine site reclamation and implementation found in the *Mine Site Reclamation Policy for Nunavut*, Indian and Northern Affairs Canada, 2002.

Refer to December 2010 EIS, Volume 3, Section 4.0 and Volume 10, Appendix 10G.

22. FINANCIAL INFORMATION

Provide a statement of financial responsibility.

If the applicant is a business entity, provide a list of the officers of the company.

If the applicant is a business entity attach a copy of the Certificate of Incorporation or evidence of registration of the company name.

The above items are to be provided at a later date.

23. STUDIES UNDERTAKEN TO DATE - List and attach copies of studies, reports, research, etc.

Refer to the December 2010 DEIS for a complete compilation of studies, reports, and research.

24. PROPOSED TIME SCHEDULE – Indicate the proposed start and completion dates for each applicable phase of development (construction, operation, closure, and post closure).

Note: *The scope and schedule for the project phases are complex. Refer to December 2010 DEIS, Volume 3, Section 1.3 for details.*

Construction

Proposed Start Date: _____ Proposed Completion Date: _____
(month/year) (month/year)

Operation

Proposed Start Date: _____ Proposed Completion Date: _____
(month/year) (month/year)

Closure

Proposed Start Date: _____ Proposed Completion Date: _____
(month/year) (month/year)

Post - Closure

Proposed Start Date: _____ Proposed Completion Date: _____
(month/year) (month/year)

For each applicable phase of development indicate which season(s) activities occur.

Construction

☐ Winter ☐ Spring ☐ Summer ☐ Fall ☐ All season

Operation

☐ Winter ☐ Spring ☐ Summer ☐ Fall ☐ All season

Closure

☐ Winter ☐ Spring ☐ Summer ☐ Fall ☐ All season

Post - Closure

☐ Winter ☐ Spring ☐ Summer ☐ Fall ☐ All season

25. PROPOSED TERM OF LICENCE

Number of years (maximum of 25 years): TBD years

Requested Date of Issuance: TBD Requested Expiry Date: TBD
(month/year) (month/year)

(The requested date of issuance must be at least three (3) months from the date of application for a type B water licence and at least one (1) year from the date of application for a type A water licence, to allow for processing of the water licence application. These timeframes are approximate and do not account for the time to complete any pre-licensing land use planning or development impact requirements, time for the applicant to prepare and submit a water licence application in accordance with any project specific guidelines issued by the NWB, or the time for the applicant to respond to requests for additional information. See the NWB's *Guide 5: Processing Water Licence Applications* for more information)

26. ANNUAL REPORTING – If not using the NWB's *Standardized Form for Annual Reporting*, provide details regarding the content of annual reports and a proposed outline or template of the annual report.

To be determined based on future technical meetings.

27. CHECKLIST – The following must be included with the application for the water licensing process to begin.

Written confirmation from the NPC confirming that NPC's requirements regarding land use plan conformity have been addressed. Refer to December 2010 DEIS, Volume 2, Section 2.0.

☐ Yes ☐ No If no, date expected _____

Written confirmation from the NIRB confirming that NIRB's requirements regarding development impact assessment have been addressed. Refer to December 2010 DEIS, Volume 2, Section 2.0.

☐ Yes ☐ No If no, date expected _____

Completed General Water Licence Application form.

☒ Yes ☐ No If no, date expected _____

Information addressing Supplemental Information Guideline (SIG) , where applicable (see Block 11)

☒ Yes ☐ No If no, date expected _____

English Summary of Application. Refer to December 2010 DEIS, Volume 1.

☒ Yes ☐ No If no, date expected _____

Inuktitut and/or Inuinnaqtun Summary of Application. Included with December 2010 DEIS.

☒ Yes ☐ No If no, date expected _____

Application Fee of \$30.00 CDN (Payee Receiver General for Canada).

☐ Yes ☒ No If no, date expected Within one week of DEIS submission.

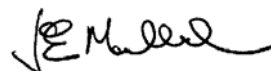
Water Use Fee Deposit of \$30.00 CDN (Payee Receiver General for Canada). The actual water use fee will be calculated by the NWB based upon the amount of water authorized for use in accordance with the Regulations at the time of issuance of the licence.

☐ Yes ☒ No If no, date expected Within one week of DEIS submission.

SIGNATURE

James Millard

Senior Environmental
Superintendent



December 30,
2010

Name (Print)

Title (Print)

Signature

Date



April 30, 2008

Ms. Leslie Payette
Manager, Environmental Administration
Nunavut Impact Review Board
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Ms. Amy Liu
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Dear Ms. Payette, Mr. Amagoalik, Mr. Holwell, Ms. Bealieu, Ms. Liu

Re: Baffinland Mary River Project INAC File # N2008T0014, QIA File # LUA-2008-008 DFO – 2008 MR – NWB File # 2AM - MRY

The NPC has completed its review of the above noted project proposal. The project conforms with the North Baffin Regional Land Use Plan (NBRLUP) and we are forwarding it to NIRB for screening. We draw your attention to the provisions of sections 3.5.11 and 3.5.12 of Appendix "C" of the NBRLUP, a copy of which is enclosed, and note that a joint process to address the prospective transportation corridor is contemplated by those provisions. NPC looks forward to working with NIRB in accordance with those provisions.

The applicant has undertaken to comply with the requirements now enclosed. The authorizing agencies to which this letter is addressed are responsible under the *Nunavut Land Claims Agreement* to implement these requirements by incorporating the requirements directly, or otherwise ensuring that they must be met, in the terms and conditions of any authorizations issued.

My office would be pleased to discuss with these agencies how best to implement these requirements and to review any draft authorizations that the agencies wish to provide for that purpose.

This conformity determination applies only to the above noted application(s) as submitted. Therefore, the proponent must ensure other applications for a permit under this project proposal not listed above are forwarded to NPC for a conformity determination against the NBRLUP. The proponent must also notify the NPC immediately if any material change to the project proposal is made before authorizations are issued.

Yours Truly,



Brian Aglukark, Director Regional Planning
NPC, Arviat

Enclosed

CC. Mr. Derek Chubb, Baffinland Iron Mine Corporation