ATTACHMENT 3

WATER LICENCE CONCORDANCE TABLES

ATTACHMENT 3.1

DOCUMENT KEY

ATTACHMENT 3.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT – PHASE 2 PROPOSAL

APPLICATION TO AMEND TYPE A WATER LICENCE 2AM-MRY1325
DOCUMENT KEY

Print 2018-09-28 4:12:00 PM

Attachments		Document Title, Author, Date	Electronic File Name	Electronic Files	
No.	**Attachment Title**			**Part**	**Pages**
n/a	**Main Report**	Application to Amend Type A Water Licence 2AM-MRY1325; Knight Piésold Ltd., Sept 26, 2018	180926-2AM-MRY1325-Applic-Part-1-Main-Report	**1**	Pages 1 to 56
1	**Executive Summary**	Executive Summary (English, Inuktitut, French), Baffinland, June 30, 2018	180926-2AM-MRY1325-Applic-Part-2	**2**	Pages 1 to 29
2	**Application for Water Licence Amendment**	Nunavut Water Board, Application for Water Licence Amendment, Baffinland, September 26, 2018			Pages 30 to 46
3	**Supplemental Information Guidelines Concordance Tables**				
3.1	Document Key	Document Key, Knight Piésold Ltd., September 26, 2018	180926-2AM-MRY1325-Applic-Part-3		Pages 1 to 8
3.2	SIG Concordance	Miscellaneous Supplemental Information Guidelines, Baffinland, September 26, 2018		**3**	Pages 9 to 36
4	**Nunavut Planning Commission's Conformity Determination**				
4.1	NPC Conformity Letter	NPC File No 148420 [Mary River Phase 2 Expansion Project], Nunavut Planning Commission, May 29, 2018	180926-2AM-MRY1325-Applic-Part-4	**4**	Pages 1 to 6
4.2	NIRB Review Process Letter	Re: Nunavut Impact Review Board Process Guidance—Mary River Modification Applications – Phase 2 Development Proposal and Production Increase Proposal, Nunavut Impact Review Board, June 11, 2018			Pages 7 to 21
5	**Design Criteria**				
5.1	Civil Design Philosophy	Mary River Expansion Project – Design Criteria: Civil Design Philosophy, Hatch, March 12, 2018	180926-2AM-MRY1325-Applic-Part-5	**5**	Pages 1 to 45
5.2	Rail Design Criteria	Mary River Expansion Project – Railway Design Criteria and Design Rational, Baffinland/Hatch, Nov 28, 2017			Pages 46 to 116
6	**Railway Design Information**				
6.1	North Railway Terrain Analysis	Site Assessment of North Railway Alignment, Baffinland/Hatch, Oct 4, 2017	180926-2AM-MRY1325-Applic-Part-6a	**6a**	Pages 1 to 74
6.2	North Railway Geotechnical Reports	2016-2017-2018 Rail Geotechnical Investigation Factual Data Report, Baffinland/Hatch, May 22, 2018	180926-2AM-MRY1325-Applic-Part-6b	**6b**	Pages 1 to 673

ATTACHMENT 3.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT – PHASE 2 PROPOSAL

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Attachments		Document Title, Author, Date	Electronic File Name	Electronic Files	
No.	**Attachment Title**			**Part**	**Pages**
6.3		Preliminary Geotechnical Recommendation for Railway Embankment (Between Milne Inlet and Mine Site), Baffinland/Hatch, January 10, 2017	180926-2AM-MRY1325-Applic-Part-6c	**6c**	Pages 1 to 24
6.4	Quarry Geochemical Evaluation	Geotechnical Investigations - Acid Rock Drainage Assessment Memo, Hatch, September 11, 2017	180926-2AM-MRY1325-Applic-Part-6d	**6d**	Pages 1 to 8
6.5	North Railway Catchment Drawings	Rail Site Drainage Catchments Drawings, Hatch, April 25, 2018	180926-2AM-MRY1325-Applic-Part-6e	**6e**	Pages 1 to 4
6.6	Diagrammatic Conceptual Layout	Site Plan Diagrammatic Layout - Milne Port to Mine Site Drawing, Hatch, March 21, 2018			Pages 5 to 6
6.7	North Railway Plan & Profile Drawings	Drawings by Hatch, February 10, 2017: Site Plan – Plan and Longitudinal Section … CH. 070km to CH. 37.000km … CH. 37.250km to CH. 74km … CH. 74.250km to CH. 109.680km			Pages 7 to 10
6.8	Km57 Temporary Ore Transfer Area Drawings	Drawings by Hatch, May 8, 2018: Rail Site (56 km) Rail Temporary Loading Facility Rail Site (56 km) Rail Temporary Loadout Cross-section			Pages 11 to 13
6.9	Rail Embankment Drawings	Rail Site – Standard Drawing – Typical Cross Section Drawings, Hatch, March 19, 2018 Rail Site - Standard Drawing – Typical Cut-Off Drain Detail Drawing, Hatch, March 21, 2018			Pages 14 to 19

ATTACHMENT 3.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT – PHASE 2 PROPOSAL

APPLICATION TO AMEND TYPE A WATER LICENCE 2AM-MRY1325
DOCUMENT KEY

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Attachments		Document Title, Author, Date	Electronic File Name	Electronic Files	
No.	**Attachment Title**			**Part**	**Pages**
7	**Tote Road Realignment Drawings**				
7.1	Tote Road Relocation Drawings	Drawings by Hatch, April 25, 2018: Tote Road – Road Relocation at CH. 29+500 – Layout, Longitudinal and Cross Sections Drawing … at CH. 31+200 … at CH. 84+500 – 85+900	180926-2AM-MRY1325-Applic-Part-7	**7**	Pages 1 to-5
		Rail Site (56km) – Haul Road Layout and Profile 0.000km to 0.800km			Page 6
		Rail Site (56km) – Haul Road Layout and Profile – 0.800km to 1.350km, Hatch May 8, 2018			Page 7
		Mine Site – Tote Road Re-Alignment – Plan and Profile Hatch, December 18, 2017			Pages 8 to 9
		Mine Site – Tote Road & Railroad Crossing – Layout Plan and Details Drawing, Hatch, January 26, 2018			Page 10
7.2	Tote Road Rail Crossing Drawings	Drawings Prepared by Hatch, April 25, 2018: Tote Road – Layout and Longitudinal Section – Grade Crossing at CH. 9+450 …at CH. 12+530 …at CH. 55+445 …at CH. 87+345 …at CH. 91+750 …at CH. 96+585			Pages 11 to 17
7.3	Tote Road Typical Drawings	Mine Site – Haul, Primary and Secondary Roads – Typical Cross Sections Drawing, Hatch, January 26, 2018			Pages 18 to 19
		Tote Road – Standard Drawing – Typical Haul Road Cross Section Drawing, Hatch, April 25, 2018			Page 20

ATTACHMENT 3.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT – PHASE 2 PROPOSAL

APPLICATION TO AMEND TYPE A WATER LICENCE 2AM-MRY1325
DOCUMENT KEY

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Attachments		Document Title, Author, Date	Electronic File Name	Electronic Files	
No.	**Attachment Title**			**Part**	**Pages**
8	**Watercourse Crossings List and Engineering Drawings**				
8.1	North Railway Crossing List	Table 8.1 - North Railway Culvert Crossings, Bridges, Cuts, Diversions, and Encroachments on Waterbodies and Fish Habitat, Baffinland	180926-2AM-MRY1325-Applic-Part-8	**8**	Pages 1 to 10
8.2	Tote Road Crossing List	Table 8.2 – Tote Road Crossing List, Baffinland			Pages 11 to 12
8.3	North Railway Bridge Drawings	Drawings Prepared by Hatch, April 25, 2018: Rail Site – Bridge General Layout – BR-102-1 Rail Site – Bridge General Layout – BR-15-1 Rail Site – Bridge General Layout – BR-70-1 Rail Site – Bridge General Layout – BR-86-1 Rail Site – Standard Drawing – Typical Cross Section – Multiple Barrel Pipe Culvert Standard Drawing – Typical Cross Section – Single Barrel Pipe Culvert			Pages 13 to 19
9	**Quarry and Laydown Location Figures**				
9.1	Proposed Quarry Locations	Figure 9.1 – Proposed Quarry Locations, Knight Piésold Ltd., July 31, 2018	180926-2AM-MRY1325-Applic-Part-9	**9**	Pages 1 to 3
9.2	Proposed Laydown Area Locations	Figure 9.2- Proposed Laydown Area Locations, Knight Piésold Ltd., July 31, 2018			Pages 4 to 5
10	**Water Management Plans**				
10.1	Mine Site Water Management Plan	Mine Site Surface Water Management Plan and Drawing, Hatch, September 11, 2018	180626-2AM-MRY1325-Applic-Part-10	**10**	Pages 1 to 21
10.2	Milne Port Water Management Plan	Port Surface Water Management Plan and Drawing, Hatch, August 24, 2018			Pages 22 to 75
10.3	Mine Site Crusher Pad Drawings	Drawings Prepared by Hatch, August 3, 2018: Mine Site Crusher Pad Drainage Plan Mine Site Crusher Pad Layout Plan Mine Site Crusher Pad Cross Sections Mine Site Crusher Pad Crusher Ramp & Walls Setting Out Mine Site Crusher Pad Settling Pond Details Mine Site Crusher Pad Settling Pond Plan and Profiles			Pages 76 to 82

ATTACHMENT 3.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT – PHASE 2 PROPOSAL

APPLICATION TO AMEND TYPE A WATER LICENCE 2AM-MRY1325
DOCUMENT KEY

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Attachments		Document Title, Author, Date	Electronic File Name	Electronic Files	
No.	**Attachment Title**			**Part**	**Pages**
11	**Updated Block Flow Diagrams**				
11.1	Mine Site Water Balance	Mine Site – Area Water Balance – Block Flow Diagram, Hatch, September 12, 2018	180926-2AM-MRY1325-Applic-Part-11	**11**	Pages 1 to 3
11.2	Mine Site Water and Sewage Process Flow Diagram	Mine Site – Water and Sewage – Process Flow Diagram, Hatch, August 7, 2018			Pages 4 to 5
11.3	Port Site Water Balance	Port Site – Area Water Balance – Block Flow Diagram, Hatch, September 12, 2018			Pages 6 to 7
11.4	Port Site Water and Sewage Process Flow Diagram	Port Site – Water and Sewage – Process Flow Diagram, Hatch, August 7, 2018			Page 8 to 9
11.5	Ore Staging Water Balance	Ore Staging Rail Site – Area Water Balance – Block Flow Diagram, Hatch, September 12, 2018			Pages 10 to 11
12	**Mine and Port Site Geotechnical Reports**				
12.1	Mine Site Factual Geotechnical Report	2018 Mine Site Geotechnical Investigation Report, Hatch, 2018	180926-2AM-MRY1325-Applic-Part-12a	**12a**	Pages 1 to 157
12.2	Port Site Geotechnical Recommendations	Preliminary Geotechnical Recommendation for Infrastructures at Milne Inlet, Baffinland/Hatch, Jan 10, 2017			Pages 158 to 171
12.3	Ore Dock Factual Geotechnical Report	2017 Milne Port Ore Dock No. 2 Geotechnical Factual Data Report, Baffinland/Hatch, October 03, 2017	180926-2AM-MRY1325-Applic-Part-12b	**12b**	Pages 1 to 287
12.4	Ore Dock Geophysics Report	Geophysical Seismic Survey for a Proposed Fixed Dock, Mary River Project, Milne Inlet, Nunavut, Geophysics GPR International Inc., February 2014			Pages 288 to 319

ATTACHMENT 3.1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT – PHASE 2 PROPOSAL

APPLICATION TO AMEND TYPE A WATER LICENCE 2AM-MRY1325
DOCUMENT KEY

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Attachments		Document Title, Author, Date	Electronic File Name	Electronic Files	
No.	**Attachment Title**			**Part**	**Pages**
13	**Fuel Tank Farm Drawings**	Mine Site – Fuel System – 15,000,000L Arctic Diesel Tank, Hatch, July 25, 2018	180926-2AM-MRY1325-Applic-Part-13	**13**	Pages 1 to 6
		Mine Site – Tank Farm Grading – Plan, Hatch, July 25, 2018			
		Mine Site – Fuel System – Typical Vertical Tank Details, Hatch, July 25, 2018			
		Mine Site – Tank Farm – Operating Procedures Signage, Hatch, July 25, 2018			
		Mine Site – Tank Farm – TK-005 Arctic Diesel Tank Signage, Hatch, July 25, 2018			
14	**Compliance Report**	Table 14.1 - Compliance Assessment for Licence No. 2AM-MRY1325, Knight Piésold Ltd. Sept 26, 2018 Table 14.2 – Status of Resolution of Non-Compliance Items, Knight Piésold Ltd. Sept 26, 2018	180926-2AM-MRY1325-Applic-Part-14	**14**	Pages 1 to 16
15	**Corporate and Financial Information**				
15.1	Articles of Amalgamation	Ontario Corporation Number 1904371 - Articles of Amalgamation	180926-2AM-MRY1325-Applic-Part-15	**15**	Pages 1 to 23
15.2	Baffinland Officers	Baffinland Iron Mines Corporation – Officers, Baffinland, August 1, 2018			Pages 24 to 25
16	**Mobile Camp Water and Sewage Tank Design Details**	Operation & Maintenance Manual 1704962 – Horizon North Wastewater Storage Tanks, Newterra, No Date Cross Section, Alantra, June 2018 Electrical Layout, Alantra, June 2018 Floor Plan, Alantra, June 2018 Siding Plan, Alantra, June 2019	180926-2AM-MRY1325-Applic-Part-16	**16**	Pages 1 to 77
17	**Landfarm Manual**	Landfarm Operation Maintenance and Monitoring Manual BAF-PH1-320-T07-0005 Rev.0, Baffinland, March 18, 2015	180926-2AM-MRY1325-Applic-Part-17	**17**	Pages 1 to 18

ATTACHMENT 3.2

SIG CONCORDANCE

TABLE 1

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT - PHASE 2 PROPOSAL

APPLICATION TO AMEND TYPE A WATER LICENCE 2AM-MRY1325

ATTACHMENT 3.2 - SUPPLEMENTAL INFORMATION GUIDELINES (SIG) CONCORDANCE
MINIMUM APPLICATION REQUIREMENTS

Section Title	Section No.	Information Requirement General Water Works	Section No.	Information Requirement Mine Development	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
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*).	**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**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-2		
	2	Information required to satisfy the requirements of the SIG including plans, reports and designs.	**2**	Information required to satisfy the requirements of the SIG including plans, reports and designs.	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report to 180926-2AM-MRY1325-Applic-Part-17	All	
	3	Executive summary in English.	**3**	Executive summary in English.	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-2	Attachment 1	
	4	Translated executive summary in appropriate language and dialect.	**4**	Translated executive summary in appropriate language and dialect.	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-2	Attachment 1	
	5	Application fee.	**5**	Application fee.	**Y**				Fee payments will be mailed to NWB in Gjoa Haven separately.	
	6	Water use fee.	**6**	Water use fee.	**Y**					
	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.	**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**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-3	Attachment 3.2	

TABLE 2

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT - PHASE 2 PROPOSAL

APPLICATION TO AMEND TYPE A WATER LICENCE 2AM-MRY1325

ATTACHMENT 3.2 - SUPPLEMENTAL INFORMATION GUIDELINES (SIG) CONCORDANCE
GENERAL WATER LICENCE APPLICATION

Section Title	Section No.	Information Requirement General Water Works	Section No.	Information Requirement Mine Development	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	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Applicant	**1**	Provide the full name of the applicant and contact person including contact information (position, phone number, address, fax number and email address).	**1**	Provide the full name of the applicant and contact person including contact information (position, phone number, address, fax number and email address).	**Y**		See Doc Key (Att. 3.1)		Att. No. 2 (s. 1)		
Applicant Representative	**2**	Provide the name and contact information of any party submitting the application on behalf of the applicant (including position, phone number, address, fax number and email address).	**2**	Provide the name and contact information of any party submitting the application on behalf of the applicant (including position, phone number, address, fax number and email address).	**N/A**	Not a third party submission					
	3	Provide a signed letter authorizing a party to be the applicant's representative in the licensing process.	**3**	Provide a signed letter authorizing a party to be the applicant's representative in the licensing process.	**N/A**	Not a third party submission					
Project Name	**4**	Provide the name of the project.	**4**	Provide the name of the project.	**Y**		See Doc Key (Att. 3.1)		Att. No. 2 (s. 3)		
Location of Undertaking	**5**	Provide coordinates of the project extents.	**5**	Provide coordinates of the project extents taking into account the Local Project Area (LPA) and the Regional Project Area (RPA), where applicable.	**N/A**	Project coordinates have not changed.					
		Provide location by Latitude and Longitude.		Provide location by Latitude and Longitude.							
		Provide location by UTM coordinates, if available.		Provide location by UTM coordinates, if available.							
				Provide the distances to the nearest communities.							
	6	Indicate whether the drainage basin, in which the project is located, is shared with any other jurisdiction. If applicable, indicate which jurisdiction.	**6**	Indicate whether the drainage basin, in which the project is located, is shared with any other jurisdiction. If applicable, indicate which jurisdiction.	**N/A**	Entirely within Nunavut.					
Map	**7**	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 maps must indicate the scale, map sheet number, and the location of north.	**7**	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, map sheet number, and location of north.	**Y**		See Doc Key (Att. 3.1)		Att. No. 6.6 and 10		
Nature of Interest in the Land	**8**	Provide the nature of the interest in the land associated with the proposed undertaking, including:	**8**	Provide the nature of the interest in the land associated with the proposed undertaking, including:	**Y**		See Doc Key (Att. 3.1)		Att. No. 2 (s. 6)		
		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. Provide the permit or licence numbers.		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. Provide the permit or licence numbers.	**Y**		See Doc Key (Att. 3.1)		Att. No. 2 (s. 6)		
		The date or expected date of issuance of any authorization and the date of expiry.		The date or expected date of issuance of any authorization and the date of expiry.	**Y**		See Doc Key (Att. 3.1)		Att. No. 2 (s. 6)		
	9	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.	**9**	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**		See Doc Key (Att. 3.1)		Att. No. 2 (s. 6)		
NPC Determination	**10**	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.	**10**	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**		See Doc Key (Att. 3.1)		Att. No. 4.1		
NIRB Determination	**11**	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:	**11**	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**		See Doc Key (Att. 3.1)		Att. No. 4.2		
		Written confirmation from NIRB that the project proposal does not require screening;		Written confirmation from NIRB that the project proposal does not require screening;							
		NIRB's screening determination;		NIRB's screening determination;							
		If a review is required, NIRB's recommendation to the Minister regarding the type of review;		If a review is required, NIRB's recommendation to the Minister regarding the type of review;							
		If a review is required, the Minister's written decision regarding the review of the development proposal;		If a review is required, the Minister's written decision regarding the review of the development proposal;							
		If a review is required, NIRB's project certificate;		If a review is required, NIRB's project certificate;							
	12	Provide a list of activities requested for exception in accordance with NLCA s. 12.10.2;	**12**	List of activities requested for exception in accordance with NLCA s. 12.10.2;	**N/A**	None requested					
	13	Indicate whether any Type B water licence application is for an activity to be considered for interim, short term approval in accordance with NLCA s. 13.5.5.	**13**	Indicate whether any Type B water licence application is for an activity to be considered for interim, short term approval in accordance with NLCA s. 13.5.5.	**N/A**	Baffinland is seeking a modification to its existing Type A Water Licence					

Section Title	Section No.	Information Requirement General Water Works	Section No.	Information Requirement Mine Development	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	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Description of Undertaking	**14**	Provide a complete description of the undertaking with detailed site plan(s) of all infrastructure. Differentiate any temporary components from permanent components. Consider the following in providing the description:	**14**	See section 4 of this SIG for specific requirements. (Section 4.0 Project Description	**Y**		TSD-2 Project Description, Baffinland, Sept, 2018	08MN053_TSD-02_Project-Description_Rev_1	All		
	a	Camp (see the NWB's SIG for Tourist / Remote Camps (R1));			**Y**		Same as above	Same as above	Sections 2.5, 2.11, 4.6		
	b	Transportation access routes;			**Y**		Same as above	Same as above	Section 3		
	c	Fuel and chemical storage;			**Y**		Same as above	Same as above	Sections 2.9, 4.8		
	d	Quarries / borrow pits;			**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 2.7; Attachment 9		
	e	Existing on site infrastructure;			**Y**		TSD-2 Project Description, Baffinland, Sept 2018	08MN053_TSD-02_Project-Description	Sections 2, 3, 4		
	f	Water intake			**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Sections 2.9, 2.10, 3		
	g	Water storage			**Y**		Same as above	Same as above	Sections 2.9, 2.10, 3		
	h	Water distribution			**Y**		Same as above	Same as above	Section 2.9, 2.10, 3		
	i	Bridges			**Y**		Same as above	Same as above	Section 2.5, Attachment 8		
	j	Culverts			**Y**		Same as above	Same as above	Section 2.5, Attachment 8		
	k	Pipelines			**Y**		Same as above	Same as above	Section 4.7		
	l	Channel / bank alterations			**Y**		Same as above	Same as above	Section 2.5; Attachment 8		
	m	Spurs			**N/A**						
	n	Erosion control			**Y**		Same as above	Same as above	Section 2.11		
	o	Artificial accretion			**N/A**						
	p	Ditches			**Y**		Same as above	Same as above	Attachment 10		
	q	Dikes			**Y**		Same as above	Same as above	Section 2.5		
	r	Dams			**Y**		Same as above	Same as above	Sections 2.5 and 2.11; Attachement 10		
	s	Spillways			**Y**		Same as above	Same as above	Section 4.4		
	t	Berms			**Y**		Same as above	Same as above	Attachment 10		
	u	Cofferdams			**Y**		Same as above	Same as above	Section 2.5		
Other Applicable Supplemental Information Guidelines	**15**	Indicate whether any other Supplemental Information Guidelines apply to the undertaking including the following:	**15**	Indicate whether any other Supplemental Information Guidelines apply to the undertaking including the following:							
	a	Hydrostatic testing		Hydrostatic testing	**N/A**	No hydrostatic testing is proposed					
	b	Tannery		Tannery	**N/A**	No tannery is proposed					
	c	Tourist / remote camp		Tourist / remote camp	**N/A**	This is an operating project					
	d	Landfarm and on-site storage of hydrocarbon contaminated soil		Landfarm and on-site storage of hydrocarbon contaminated soil	**N/A**	No modifications are proposed					
	e	Onshore oil and gas exploration drilling		Onshore oil and gas exploration drilling	**N/A**	No onshore oil and gas exploration drilling is proposed					
	f	Mineral exploration/ remote camp		Mineral exploration/ remote camp	**N/A**	This is an operating project					
	g	Advanced exploration		Advanced exploration	**N/A**	This is an operating project					
	h	Mine development		Mine development	**Y**	The Mine Development SIG has been used					
	i	Municipal		Municipal	**N/A**	This is a mining project					
	j	General Water Works		General Water Works	**Y**	The General Water Works SIG has been used					
	l	Power		Power	**N/A**						
Options	**16**	Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.	**16**	Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.	**Y**		TSD-01 Alternatives Analysis, Baffinland, August, 2018	08MN053_TSD-01_Alternatives-Analysis	All		

Section Title	Section No.	Information Requirement General Water Works	Section No.	Information Requirement Mine Development	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	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Water Use	**17**	See section 5 of this SIG for specific requirements	**17**	See section 6 of this SIG for specific requirements							
Water Use: Quality and Quantity	**18**	See section 5 of this SIG for specific requirements	**18**	See section 6 of this SIG for specific requirements							
Waste Disposal	**19**	Provide a detailed description of all types of waste and all forms of waste disposal including: (see the NWB definition of Waste in the NWB *Guide 2: Terminology and Definitions*)	**19**	See section 7 of this SIG for specific requirements	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report 180926-2AM-MRY1325-Applic-Part-2	Section 4; Attachment 2, Section 14		
	a	Dredged material			**Y**		TSD-2 Project Description, Baffinland, Sept, 2018	08MN053_TSD-02_Project-Description_Rev_1	Section 4.2		
	b	Hazardous waste including waste oil			**Y**		See Document Key (Attachment 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Sections 4.5 and 4.6		
							Hazardous Materials & Waste Manegement Plan, Baffinland, 2017	http://www.baffinland.com/downloadocs/baf-ph1-830-p16-0011-r5---hazardous-materials-and-waste-management_2017-01-18-06.pdf			
	c	Discharge from dewatered areas			**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 2.5		
Waste Disposal: Quality and Quantity	**20**	For each type of waste, provide the composition, chemical characteristics and quantity generated. Also provide the location, rate, timing, frequency and duration of the deposit.	**20**	See section 7 of this SIG for specific requirements	**Y**		Same as above	Same as above	Section 4.4		
							See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-2	Attachment 2 (s. 15)		
	21	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**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 4.4		
							See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-2	Attachment 2 (s. 15)		
	22	Provide a description of any measures to minimize the production of wastes.			**Y**		Waste Management Plan, Baffinland, 2018	http://www.baffinland.com/downloadocs/baf-ph1-830-p16-0028-r6---waste-management-plan_2018-15-12-52.pdf	Section 3.4		
Other Authorizations	**23**	Provide a list of any authorizations required in relation to the project in addition to the water licence. For each additional authorization required for 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. Provide a description of how those authorizations may affect the NWB's water licensing process.	**21**	Provide a list of any authorizations required in relation to the project in addition to the water licence. For each additional authorization required for 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. Provide a description of how those authorizations may affect the NWB's water licensing process.	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 1.5		
			22	Indicate whether an authorization has been obtained or sought from the Department of Fisheries and Oceans for dewatering or using any waterbodies for containment of waste	**N/A**	No waterbodies will be dewatered for waste containment					
	24	Provide formal applications to the Navigable Waters Protection Program (NWPP) for any works if applicable.	**23**	Provide formal applications to the Navigable Waters Protection Program (NWPP) for any works.	**Y**					Upon completion of NIRB reconsideration	
	25	Provide a timetable for filing the appropriate plans and procedures required by government parties.	**24**	Provide a timetable for filing the appropriate plans and procedures required by government parties.	**Y**						
	26	Indicate whether the applicant / licensee holds any existing water licences. If applicable, provide the licence number and expiry date of any existing water licences.	**25**	Indicate whether the applicant/ licensee holds any existing water licences. If applicable, provide the licence number and expiry date of any existing water licences.	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-2	Attachment 2 (s. 1)		

Section Title	Section No.	Information Requirement General Water Works	Section No.	Information Requirement Mine Development	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	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Predicted Environmental Effect and Proposed mitigation measures	**27**	Identify the potential effect of water use and waste disposal on the following components:	**26**	Identify the potential effect of water use and waste disposal on the following components:							
		Groundwater and Surface Water including:		Groundwater and Surface Water including:	**Y**		TSD-13 Surface Water Assessment, Knight Piesold Ltd., August 2018	08MN053_TSD-13_Surface-Water	All		
		changes in flow (including seasonal rate of flow)		changes in flow (including seasonal rate of flow)							
		quantity		quantity							
		quality		quality							
		Land including:		Land including:	**Y**		TSD-08 Landforms, Soils and Permafrost Assessment, Knight Piesold, July 2018	08MN053_TSD-08_Landforms-Soil-and-Permafrost	All		
		geologic structure change		geologic structure change							
		soil contamination		soil contamination							
		compaction, settling and erosion		compaction, settling and erosion							
		alteration of the permafrost regime		alteration of the permafrost regime							
		riparian zone loss		riparian zone loss	**N/A**	No riparian zone loss aniticipated from water use and waste disposal.					
		Vegetation including:		Vegetation including:	**Y**		TSD-09 Vegetation Baseline and Impact Assessment, EDI, July 2018	08MN053_TSD-09_Vegetation-Baseline-and-Impact-Assessment_Rev_1	All		
		species composition and abundance		species composition and abundance							
		non-native species introduction		non-native species introduction							
		accumulation of toxins and heavy metals (in relation to remediation objectives for closure)		accumulation of toxins and heavy metals (in relation to remediation objectives for closure)							
		Aquatic Ecosystems including:		Aquatic Ecosystems including:	**Y**		TSD-14 Freshwater Fisheries Assessment, North South Consultants, Sept 2018	08MN053_TSD-14-Freshwater-Biota-Habitat_Rev_1	All		
		fish		fish							
		benthic invertebrates		benthic invertebrates							
		plankton		plankton							
	28	Identify effects separately for each project phase.	**27**	Identify effects separately for each project phase.	**Y**		Phase 2 Proposal - Addendum to the Final Environmental Impact Statement, Baffinland, Sept 2018	08MN053_mrp2_eis_Rev_1	Section 10		
	29	Provide a description of the methods used to predict effects.	**28**	Provide a description of the methods used to predict effects.	**Y**		Same as above	Same as above	Section 9		
	30	Provide a cumulative effects assement of the project's water use and waste disposal activities in combination with other past, present and reasonably forseeable projects in the same drainage basin.	**29**	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.	**Y**		TSD-27 Cumulative Environmental Effects and Transboundary Effects, Baffinland, Sept 2018	08MN053_TSD-27_Cumulative-Transboundary_Rev_1	Section 1		
	31	Identify effects that may arise from accidental events or malfunctions.	**30**	Identify effects arising from accidental events or malfunctions.	**Y**		Phase 2 Proposal - Addendum to the Final Environmental Impact Statement, Baffinland, Sept 2018	08MN053_mrp2_eis_Rev_1	Section 10.2		
	32	Provide a description of all proposed mitigation, management and monitoring programs to mitigate adverse impacts.	**31**	Provide a description of all proposed mitigation, management and monitoring programs to mitigate adverse impacts.	**Y**		TSD-28 Mitigation and Monitoring Plans	08MN053_TSD-28_Mitigation-Monitoring	All		
	33	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.	**32**	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**		TSD-25 Socio-Economic Assessment, Baffinland, Sept 2018	08MN053_TSD-25_Socio-economic-Assessment_Rev_1	Section 9		
	34	If applicable, provide a description of any potential transboundary effects.	**33**	If applicable, provide a description of any potential transboundary effects.	**Y**		TSD-27 Cumulative Environmental Effects and Transboundary Effects, Baffinland, Sept 2018	08MN053_TSD-27_Cumulative-Transboundary_Rev_1	Section 2		
	35	See sections 4, 5 and 6 of this SIG for additional information requirements	**34**	See sections 5, 6, 7, and 8 of this SIG for additional information requirements							

Section Title	Section No.	Information Requirement General Water Works	Section No.	Information Requirement Mine Development	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	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Existing and Other User Water Rights	**36**	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.	**35**	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**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-2	Attachment 2 (s. 18)		
	37	Provide a description of any potential effects of the project on the persons or properties identified in item 36 of this section.	**36**	Provide a description of any potential effects of the project on the persons or properties identified in item 35 of this section.	**Y**		TSD-25 Socio-Economic Assessment, Baffinland, Sept 2018	08MN053_TSD-25_Socio-economic-Assessment_Rev_1	Section 9		
	38	Provide a description of the measures incorporated into the project design to mitigate effects of the project on the persons or properties identified in item 36 of this section.	**37**	Provide a description of the measures incorporated into the project design to mitigate effects of the project on the persons or properties identified in item 35 of this section.	**Y**		Same as above	Same as above	Same as above		
	39	Indicate whether compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.	**38**	Indicate whether compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-2	Attachment 2 (s. 19)		
Inuit Water Rights	**40**	Provide a description of any potential effects of the project on the quality, quantity, or flow of waters flowing through Inuit Owned Land (IOL).	**39**	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**		TSD-13 Surface Water Assessment, Knight Piesold Ltd., August 2018	08MN053_TSD-13_Surface-Water_Rev_1	All		
	41	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.	**40**	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.	**Y**		Same as above	Same as above	Same as above		
	42	Indicate wheter an agreement to pay compensation for any loss or damage has been reached with one or more Designated Inuit Organization (DIO); or if the parties have been unable to reach an agreement on compensation	**41**	Indicate wheter an agreement to pay compensation for any loss or damage has been reached with one or more Designated Inuit Organization (DIO); or if the parties have been unable to reach an agreement on compensation	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-2	Attachment 2 (s. 19)		
Consultation	**43**	Provide a summary of any consultation meetings including when the meetings were held, where and with whom.	**42**	Provide a summary of any consultation meetings including when the meetings were held, where and with whom.	**Y**		TSD-04 Public Consultation, Baffinland, Sept 2018	08MN053_TSD-04_Public-Consultation_Rev_1	Sections 3, 4		
	44	Provide a summary of the results of consultation meetings including a list of concerns expressed and measures proposed to address concerns.	**43**	Provide a summary of the results of consultation meetings including a list of concerns expressed and measures proposed to address concerns.	**Y**		Same as above	Same as above	Same as above		
Security	**45**	Provide a financial security assessment that includes the following:	**44**	Provide a financial security assessment that is prepared in a manner consistent with principals respecting mine site reclamation and implementation found in the *Mine Site Reclamation Policy for Nunavut* , Indian and Northern Affairs Canada, 2002. The financial security assessment must include:	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 7		
		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;		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**		Same as above	Same as above	Same as above		
		The cost of having the necessary reclamation work done by a third-party contractor if the operator defaults;		The cost of having the necessary reclamation work done by a third-party contractor if the operator defaults;	**Y**		Same as above	Same as above	Same as above		
		Contingency factors appropriate to the particular work to be undertaken.		Contingency factors appropriate to the particular work to be undertaken.	**Y**		Same as above	Same as above	Same as above		

Section Title	Section No.	Information Requirement General Water Works	Section No.	Information Requirement Mine Development	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	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Abandonment and Restoration	**46**	Provide plans for the abandonment and restoration of facilities.	**45**	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. Detail the costs to carry out the plan, and a proposal for financial assistance which covers the costs to carry out the plan.	**Y**		Same as above	Same as above	Same as above		
			46	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**		Same as above	Same as above	Same as above		
	47	Provide a list and description of any existing abandoned or restored site facilities.	**47**	Provide a list and description of any existing abandoned or restored site facilities.	**Y**		Same as above	Same as above	Same as above		
			48	Provide details regarding the timing of the removal of any dewatering dikes (if applicable) and the implications of this	**Y**		Same as above	Same as above	Same as above		
			49	Provide detailed information regarding the method used to remove/breach any dewatering dykes (if applicable),	**Y**		Same as above	Same as above	Same as above		
Financial Information	**48**	Provide a statement of financial responsibility.	**50**	Provide a statement of financial responsibility.	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-15	Attachment 15.1		
	49	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.	**51**	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.	**N/A**	Baffinland is not an entity that publiclly discloses audited financial statements.	NWB is aware of Baffinland's current financial security established for the Project				
	50	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.	**52**	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.	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-15	Attachment 15.2		
Studies and Designs	**51**	Provide a list of studies, reports and plans relevant to the application that have been undertaken to date including:	**53**	Provide a list of studies, reports and plans relevant to the application that have been undertaken to date including:							
		Design rational, design requirements, design criteria, design parameters, design standards/analysis/method;	**a**	Design rational, design requirements, design criteria, design parameters, design standards/analysis/method;	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-5	Attachment 5		
		Design assumptions and the limitations associated with such design assumptions;	**b**	Design assumptions and the limitations associated with such design assumptions;	**Y**		Same as above	Same as above	Attachments 5 to 13, 16, 17		
		The inclusion of clear, definable engineering qualifiers with all design drawings and reports;	**c**	The inclusion of clear, definable engineering qualifiers with all design drawings and reports;	**Y**		Same as above	Same as above	Attachments 5 to 13, 16, 17		
		Site specific data and analysis to support the design and management decisions made;		Site specific data and analysis to support the design and management decisions made;	**Y**		Same as above	Same as above	Same as above		
		Materials that appropriately delineate the particulars of a design or plan.		Materials that appropriately delineate the particulars of a design or plan.	**Y**		Same as above	Same as above	Same as above		

Section Title	Section No.	Information Requirement General Water Works	Section No.	Information Requirement Mine Development	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	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Studies and Designs	**52**	Provide construction methods and procedures regarding how infrastructure will be put in place on-site.	**54**	Provide construction methods and procedures regarding how infrastructure will be put in place on-site.	**Y**		TSD-2 Project Description, Baffinland, Sept, 2018	08MN053_TSD-02_Project-Description_Rev_1	Section 2, 3, 4 and 5		
	53	Provide a timetable for submission of preliminary and final-for-construction engineered designs (note: for construction designs are required for NWB approvals).	**55**	Provide a timetable for submission of preliminary and final-for-construction engineered designs (note: for construction designs are required for NWB approvals).	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 9		
	54	See sections 4 and 5 of this SIG for additional information requirements.	**56**	See sections 5, 6 and 7 of this SIG for additional information requirements							
Proposed Time Schedule	**55**	Provide the proposed start and completion dates for each phase of development (construction, operation, closure) and any anticipated periods of seasonal shut down.	**57**	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**		TSD-2 Project Description, Baffinland, Sept, 2018	08MN053_TSD-02_Project-Description_Rev_1	Section 1.2.5		
Proposed Term of Licence	**56**	Provide a proposed term of licence including the expected date of licence issuance and the expected date of licence expiry.	**58**	Provide a proposed term of licence including the expected date of licence issuance and the expected date of licence expiry.	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-2	Attachment 2 (s. 25)		
Annual Reporting	**57**	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:	**59**	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:	**N/A**	Baffinland currently submits annual reports to the NWB. Please see the 2017 Annual Report for required information.					
		Water related monitoring results;		Water related monitoring results;							
		Comparison of water quality and quantity monitoring data with the water quality and quantity predictions presented in the application;		Comparison of water quality and quantity monitoring data with the water quality and quantity predictions presented in the application;							
		A description of how any conditions in the NIRB screening decision related to the NWB mandate have been implemented;		A description of how the conditions in the NIRB project certificate related to the NWB mandate have been implemented;							
		Project changes under adaptive management;		Project changes under adaptive management;							
		Any actions taken in response to direction provided by the Inspector.		Any actions taken in response to direction provided by the Inspector.							
Renewals and Amendments	**58**	If the application is for a renewal or amendment of an existing licence provide the water licence number and the date of water licence expiry.	**60**	If the application is for a renewal or amendment of an existing licence provide the water licence number and the date of water licence expiry.	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-2	Attachment 2 (s. 25)		
	59	If the application is for a renewal or amendment of an existing licence, provide a compliance assessment/status report. This report must document the status of compliance for each condition of the existing water licence taking into consideration inspector dialogues and inspector directions, responses to inspector dialogues and inspector directions, spills that may have occurred, and any reporting requirements. The report must indicate when facilities were inspected by regulatory agencies and list any spills that may have occured including a description, location shown on a map, and the action taken to address the affected area.	**61**	If the application is for a renewal or amendment of an existing licence, provide a compliance assessment/status report. This report must document the status of compliance for each condition of the existing water licence taking into consideration inspector dialogues and inspector directions, responses to inspector dialogues and inspector directions, spills that may have occurred, and any reporting requirements. The report must indicate when facilities were inspected by regulatory agencies and list any spills that may have occured including a description, location shown on a map, and the action taken to address the affected area.	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-14	Attachment 14		

TABLE 3

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT - PHASE 2 PROPOSAL

APPLICATION TO AMEND TYPE A WATER LICENCE 2AM-MRY1325

ATTACHMENT 3.2 - SUPPLEMENTAL INFORMATION GUIDELINES (SIG) CONCORDANCE
PROJECT DESCRIPTION

Section Title	Section No.	Information Requirement Mine Development	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	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment	NIRB Guideline Section No.
Description of Undertaking	**1**	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. Include maps and/or aerial photos with scales that allow the determination of distances between the objects depicted. Differentiate any temporary components from permanent components. Consider the following in providing the description:	**Y**		TSD-2 Project Description, Baffinland, Sept, 2018	08MN053_TSD-02_Project-Description_Rev_1	All			
	a	Raw water intake;	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 3			
	b	Water storage and treatment facilities including distribution systems;			TSD-2 Project Description, Baffinland, Sept, 2018	08MN053_TSD-02_Project-Description_Rev_1	Section 2.5, 4.6			
			Y		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Sections 2.6, 2.8, 3.7, 4.6, 4.7			
	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 and drainage patterns within the RPA;	**Y**		TSD-13 Surface Water Assessment, Knight Piesold, August 2018	TSD-13-Surface-Water_Rev_1	Section 2			
	d	Location of receiving water bodies and drainage pathways;	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report 180926-2AM-MRY1325-Applic-Part-10	Section 3.6; Attachment 10			
	e	Transportation access routes and details of water course crossings;	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report 180926-2AM-MRY1325-Applic-Part-8	Section 2.5; Attachment 8			
	f	Locations of environmental monitoring sites;	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 6			
	g	Traditional water use and land use areas that may be impacted by the project;	**Y**		TSD-25 Socio-Economic Assessment, Baffinland, August 2018	08MN053_TSD-25_Socio-economic-Assessment_Rev_1	Section 9			
	h	Sewage treatment facilities;	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 4.7			
	i	Wastewater treatment area and discharge outlet locations;	**Y**		Same as above	Same as above	Sections 4.4, 4.6, 4.7			
	j	Solid waste disposal areas and drainage patterns;	**Y**		Same as above	Same as above	Section 4.8			
	k	Incinerators	**N/A**	No modification are proposed in support of the Phase 2 Proposal	Waste Management Plan, Baffinland, 2018	http://www.baffinland.com/downloadocs/baf-ph1-830-p16-0028-r6---waste-management-plan_2018-15-12-52.pdf				
	l	Landfarm (see the NWB's SIG for Landfarm and on-site storage of hydrocarbon contaminated soil (I3));	**N/A**	No modification are proposed in support of the Phase 2 Proposal	Hazardous Materials and Hazardous Waste Management Plan, Baffinland, 2018	http://www.baffinland.com/downloadocs/baf-ph1-830-p16-0011-r5---hazardous-materials-and-waste-management_2017-01-18-06.pdf				
	m	Waste rock piles (PAG and non-PAG);	**N/A**	No modification are proposed in support of the	Life of Mine Waste Rock Management Plan, Baffinland, 2014	http://www.baffinland.com/downloadocs/life-of-mine-waste-rock-management-plan_2017-11-36-42.pdf				

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			NA	support of the Phase 2 Proposal	Phase 1 Waste Rock Management Plan, Baffinland, 2014	http://www.baffinland.com/downloadocs/baf-ph1-830-p16-0029-r0---phase-1-waste-rock-management-plan_2017-01-32-01.pdf				

Section Title	Section No.	Information Requirement Mine Development	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	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment	NIRB Guideline Section No.
Description of Undertaking	**n**	Stockpiles;	**Y**		TSD-2 Project Description, Baffinland, Sept, 2018	08MN053_TSD-02_Project-Description_Rev_1	Section 2.2; 4.4			
	o	Mill or processing plant;	**Y**		Same as above	Same as above	Section 2.3; 4.4			
	p	Tailings containment areas;	**N/A**	No tailings generated						
	q	Laydown areas;	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 2.8			
	r	Quarries;	**Y**		Same as above	Same as above	Section 2.7			
	s	Hazardous waste disposal area;	**Y**		TSD-2 Project Description, Baffinland, Sept, 2018	08MN053_TSD-02_Project-Description_Rev_1	Section 2.10, 4.9.2			
	t	Waste discharge distribution lines;	**Y**		TSD-2 Project Description, Baffinland, Sept, 2018	08MN053_TSD-02_Project-Description_Rev_1	App. A and B (figures)			
					See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Sections 3.6, 4.4, 4.7			
	u	Fuel and chemical storage;	**Y**		TSD-2 Project Description, Baffinland, Sept, 2018	08MN053_TSD-02_Project-Description_Rev_1	Section 2.9; 4.8			
					See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 5.3			
	v	Explosives manufacturing and storage;	**Y**		TSD-2 Project Description, Baffinland, Sept, 2018	08MN053_TSD-02_Project-Description_Rev_1	Section 2.9.2			
					See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 5.4			
	w	Abandoned and/or restored facilities;	**N/A**	There are no abandoned facilities						
	x	Existing on site infrastructure;	**Y**		TSD-2 Project Description, Baffinland, Sept, 2018	08MN053_TSD-02_Project-Description_Rev_1	All			
	y	Others:	**N/A**	All relevant information in TSD-02 Project Description	TSD-2 Project Description, Baffinland, Sept, 2018	08MN053_TSD-02_Project-Description_Rev_1	All			
Mine Plan	**2**	Provide a Mine Plan Overview including:								
		Description of the location, physical nature, geology and minerology of the ore deposit and host rock. (See section 5 items 19-23)	**N/A**	No change to ore body						
		Mine development plan and methods	**N/A**	No change to mine plan	TSD-2 Project Description, Baffinland, Sept, 2018	08MN053_TSD-02_Project-Description_Rev_1	Section 2.1			
		Exploration operations	**Y**		Same as above	Same as above	Section 9.0			
		Description of earthworks for mine development	**N/A**	No change to mine plan	TSD-2 Project Description, Baffinland, Sept, 2018	08MN053_TSD-02_Project-Description_Rev_1	Section 2.1			
		Milling or processing plant operations including:	**Y**	No milling or processing will occur; only crushing and screening	TSD-2 Project Description, Baffinland, Sept, 2018	08MN053_TSD-02_Project-Description_Rev_1	Sections 2.2, 4.3, 4.4 and 4.5			
		A copy of the mill or processing plant flow sheet. Indicate the points of addition of the various reagents (chemicals) that will be used.								
		The capacity of the mill								
		If applicable, indicate whether the (proposed) milling circuit is in whole or in part based on autogenous grinding.								
		Predicted rate of production.								
		Expected life of the mine.	**Y**		TSD-2 Project Description, Baffinland, Sept, 2018	08MN053_TSD-02_Project-Description_Rev_1	Section 1.2.5			
		Camp and mine site population projections for each phase of the project.	**Y**		TSD-2 Project Description, Baffinland, Sept, 2018	08MN053_TSD-02_Project-Description_Rev_1	Section 2.5, 4.6			

TABLE 4

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT - PHASE 2 PROPOSAL

APPLICATION TO AMEND TYPE A WATER LICENCE 2AM-MRY1325

ATTACHMENT 3.2 - SUPPLEMENTAL INFORMATION GUIDELINES (SIG) CONCORDANCE
BASELINE INFORMATION

Section Title	Section No.	Information Requirement General Water Works	Section No.	Information Requirement Mine Development	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	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Environmental Setting	**1**	Provide a description of the site using current detailed topographic survey maps and/or aerial photos where applicable. Maps, diagrams, and aerial photos must include accurate scales that allow the determination of distances between the objects depicted.	**1**	Provide a description of the regional and local setting using maps and/or aerial photos with scales that allow the determination of distances between the objects depicted.	**Y**		TSD-2 Project Description, Baffinland, Sept, 2018	08MN053_TSD-02_Project-Description_Rev_1	Section 1; Figures 1.1, 1.2, 1.3, 1.4		
	2	Provide a description of the site history if it has been used in the past.	**2**	Provide a brief history of the property development which took place before the present company gained control of the site. Include shafts, adits, mills, waste dumps, chemical storage areas, tailings disposal areas, and effluent discharge locations. Make references to a detailed map.	**N/A**	The NWB is familiar with the operating history of the Project					
	3	Provide a description of the site conditions, including:	**3**	Provide a description of the site conditions, including:							
	a	location	**a**	location	**Y**		FEIS, Baffinland, 2012	Volume 3	Volume 3, Section 1		
	b	topography	**b**	topography	**Y**		FEIS, Baffinland, 2012	Volume 6	Volume 6, Section 2		
							TSD-08 Landforms, Soil and Permafrost Assessment, Knight Piésold, July 2018	08MN053_TSD-08_Landforms-Soil-and-Permafrost_Rev_1	Section 2.1		
	c	geologic conditions	**c**	geologic conditions	**Y**		FEIS, Baffinland, 2012	Volume 6	Volume 6, Section 2		
							TSD-08 Landforms, Soil and Permafrost Assessment, Knight Piésold, July 2018	08MN053_TSD-08_Landforms-Soil-and-Permafrost_Rev_1	Section 2.1		
	d	hydrologic characteristics	**d**	hydrologic characteristics	**Y**		FEIS, Baffinland, 2012	Volume 7	Volume 7, Section 2		
							TSD-13 Surface Water Assessment, Knight Piésold, Aug 2018	08MN053_TSD-13_Surface-Water_Rev_1	Section 2; Appendix B		
		climate conditions and trends		climate conditions and predicted future climate trends	**Y**		TSD-06 Climate Change Assessment, Baffinland, August 2018	08MN053_TSD-06 _Climate-Change-Assessment_Rev_1	Section 3.4, 3.5, 3.6, 3.7 and 3.8		
	f	seismicity	**f**	seismicity	**Y**		FEIS, Baffinland, 2012	Volume 6 Terrestrial Environment	Section 2		
		permafrost conditions	**g**	permafrost conditions	**Y**		FEIS, Baffinland, 2012	Volume 6	Volume 6, Section 2		
							TSD-08 Landforms, Soil and Permafrost Assessment, Knight Piesold, July 2018	08MN053_TSD-08_Landforms-Soil-and-Permafrost_Rev_1	Section 2.1		
							TSD-06 Climate Change Assessment, Baffinland, August 2018	08MN053_TSD-06 _Climate-Change-Assessment_Rev_1	Section 3.5		
	4	Provide a description of the surface water regime and drainage area. Outline the drainage basin on an attached map.	**4**	Provide a description of the regional and local surface water regime and drainage area and outline the drainage basin on an attached map.	**Y**		FEIS, Baffinland, 2012	Volume 7	Volume 7, Sections 2 and 3		
							TSD-13 Surface Water Assessment, Knight Piesold, July 2018	TSD-13 Surface Water Assessment	Section 2, 3		
			5	Provide a description of the groundwater regime.			FEIS, Baffinland, 2012	Volume 7	Volume 7, Sections 2 and 3		
			6	Provide baseline data and an evaluation of baseline data describing surface and groundwater quality in the project area (physical, chemical, and biological characteristics).	**Y**		FEIS, Baffinland, 2012	Volume 7	Volume 7, Section 3		
							TSD-13 Surface Water Assessment, Knight Piesold, Aug 2018	08MN053_TSD-13_Surface-Water_Rev_1	Section 3		
	5	Provide a description of the usual break-up and freeze-up periods.	**7**	Provide a description of the usual break-up and freeze-up periods.	**Y**		FEIS, Baffinland, 2012	Volume 7 Volume 8	Volume 7, Section 2 Volume 8, Section 2		
	6	Provide a description of streambed material, streambank material, and streambank vegetation.	**8**	Provide a description of streambed material, streambank material, and streambank vegetation,	**N/A**	A high number of crossings are proposed with the Phase 2 Proposal. The crossings are typical of those already in use by Baffinland.					
	7	Indicate the slope of the banks of any water course affected by the application	**9**	Indicate the slope of the banks of any water course affected by the application							
	8	Provide a decription of the meander pattern for any channel affected by the application	**10**	Provide a decription of the meander pattern for any channel affected by the application							
	9	Provide the following streamflow data in cubic metres per second for each watercourse included in the application:	**11**	Provide the following streamflow data in cubic metres per second for each watercourse included in the application:	**Y**		TSD-13 Surface Water Assessment, Knight Piesold, Aug 2018	08MN053_TSD-13_Surface-Water_Rev_1	Appendix C		
		mean annual flow;		mean annual flow;							
		mean summer flow;		mean summer flow;							
		minimum summer flow;		minimum summer flow;							
		minimum annual flow;		minimum annual flow;							
		mean annual flood;		mean annual flood;							
		maximum summer flood;		maximum summer flood;							
		mean summer flood;		mean summer flood;							

Section Title	Section No.	Information Requirement General Water Works	Section No.	Information Requirement Mine Development	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	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Environmental Setting	**10**	Provide bathymetric information for water bodies affected by the application.	**12**	Provide bathymetric information for water bodies affected by the application.	**N/A**	No new waterbodies affected by the application					
	11	Provide a description of the ground condition for design and engineering of earthwork infrastructure (if applicable, provide test pit/ drill hole logs and laboratory test results).	**13**	Provide a description of the ground condition for design and engineering of earthwork infrastructure, including (if applicable, provide test pit/ drill hole logs and laboratory test	**Y**		FEIS, Baffinland, 2012 See Doc Key (Att. 3.1)	Volume 6 180926-2AM-MRY1325-Applic-Part-6b 180926-2AM-MRY1325-Applic-Part-8	Volume 6, Section 2 Att. 6.2 and Att. 8		
			a	Interim and permanent waste rock facilities	**N/A**	Existing waste rock facilities will be used					
			b	Tailings containment area	**N/A**	The Project does not generate tailings					
			c	Landfills	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 4.8		
			d	Landfarms	**N/A**	No new landfarms proposed	Same as above	180926-2AM-MRY1325-Applic-Part-17	All		
			e	Fuel and chemical storage facilities	**Y**		Same as above	180926-2AM-MRY1325-Applic-Part-1-Main-Report 180926-2AM-MRY1325-Applic-Part-12a 180926-2AM-MRY1325-Applic-Part-13	Section 5.3, Attachments 12.1 and 13		
			f	Explosives management areas and facilities	**Y**		Same as above	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 5.4		
			g	Roads	**Y**		Same as above	180926-2AM-MRY1325-Applic-Part-1-Main-Report 180926-2AM-MRY1325-Applic-Part-6a 180926-2AM-MRY1325-Applic-Part-6b 180926-2AM-MRY1325-Applic-Part-6c 180926-2AM-MRY1325-Applic-Part-7	Section 2.4 and Attachments 6.1, 6.2, 6.3 and 7		
			h	Quarries or borrow pits	**Y**		Same as above	180926-2AM-MRY1325-Applic-Part-1-Main-Report 180926-2AM-MRY1325-Applic-Part-6d	Section 2.7, Attachment 6.4		
			i	Hazardous waste facilities	**Y**		Same as above	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 4.5		
			j	Wastewater treatment facilities	**Y**		Same as above	180926-2AM-MRY1325-Applic-Part-1-Main-Report 180926-2AM-MRY1325-Applic-Part-11 180926-2AM-MRY1325-Applic-Part-16	Section 4.7, Attachments 11 and 16		
			k	Ore stockpiles	**N/A**	New ore stockpile in an area of known geotechnical					
			l	Overburden piles	**N/A**	No changes to waste rock (including overburden)					
			m	Dewatering dikes	**N/A**	No dewatering dykes					
			14	Provide results of any assessment of the permeability of any faults and taliks beneath water bodies.	**N/A**	No project activities within water bodies with taliks					
	12	Provide a description of the historical uses of the waters affected by the project.	**15**	Provide a description of the historical uses of the waters affected by the project.	**Y**		FEIS, Baffinland, 2012	ftp://ftp.nwb-oen.ca/registry/2%20MINING%20MILLING/2A/2AM%20-%20Mining/2AM-MRY1325%20BIMC/1%20APPLICATION/Final%20Environmental%20Impact%20Statement/Volume%2004/.	Volume 4, Section 10 and Appendix 4C		
	13	Provide a description of any traditional uses of water in the project area.	**16**	Provide a description of any traditional uses of water in the project area.	**Y**		Same as above	Same as above	Same as above		
	14	Indicate whether fish, shellfish, or other wildlife are present and harvested in or near the project area and, if applicable, indicate the species harvested and the level of harvest.	**17**	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**		Same as above	Same as above	Same as above		
	15	Provide a description of the results of any consultation with Elders regarding the collection of baseline data.	**18**	Provide a description of the results of any consultation with Elders regarding the collection of baseline data.	**Y**		TSD-04 Public Consultation, Baffinland, Sept 2018	08MN053_TSD-04_Public-Consultation_Rev_1	Section 3, 4		

Section Title	Section No.	Information Requirement General Water Works	Section No.	Information Requirement Mine Development	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	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Geology and Mineralogy			**19**	Provide a description of the physical nature of the mineralization, including known dimensions and approximate shape		Project is an already operating mine, mining the current Deposit No. 1					
			20	Provide a description of the host rock in the general vicinity of the mineralization (from the surface to the mineralized zone)							
			21	Provide a geological description of the mineralized zone. (If possible, include the percentage of metals)							
			22	Provide a description of the geochemical tests which have been (or will be) performed on the ore, host rock, and waste rock to determine their relative acid generation and contaminant leaching potential. Outline methods used (or to be used) and provide test results in an attached report (ie. static test, kinetic tests).	**N/A**						
			23	Provide an estimate of the percentage of sulphide in the mineralization including:							
				Pyrite							
				Pyrrhotite							
				Pyrite / Pyrrhotite mixture							
				Arsenopyrite							
	16	Provide a description of the geochemical tests which have been (or will be) performed on quarrry or borrow material to determine the relative acid generation and contaminant leaching potential. Outline methods used (or to be used) and provide test results in an attached report (ie. static test, kinetic tests).	**24**	Provide a description of the geochemical tests which have been (or will be) performed on quarrry or borrow material to determine the relative acid generation and contaminant leaching potential. Outline methods used (or to be used) and provide test results in an attached report (ie. static test, kinetic tests).	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 2.7		
Fisheries	**17**	The applicant is advised to consult with DFO regarding fish and fish habitat related issues and to visit DFO's website at http://www.dfo-mpo.gc.ca/habitat/habitat-eng.htm. Indicate whether the applicant has consulted with DFO and provide the results of any consultation.	**25**	The applicant is advised to consult with DFO regarding fish and fish habitat related issues and to visit DFO's website at http://www.dfo-mpo.gc.ca/habitat/habitat-eng.htm. Indicate whether the applicant has consulted with DFO and provide the results of any consultation.	**Y**		TSD-04 Public Consultation, Baffinland, Sept 2018	08MN053_TSD-04_Public-Consultation_Rev_1	Section 3.4		
	18	If applicable, provide baseline data and an evaluation of baseline data describing fish and fish habitat in the project area	**26**	If applicable, provide baseline data and an evaluation of baseline data describing fish and fish habitat in the project area.	**Y**		FEIS, Baffinland, 2012	Volume 7	Volume 7, Appendix 7C		
	19	If applicable, provide a fisheries assessment including:	**27**	If applicable, provide a fisheries assessment including:							
		Detailed area description (including photographic record);		Detailed area description (including photographic record);							
		Description of fish habitat (including river or lake bottom substrates such as silt, sand, or cobble);		Description of fish habitat (including river or lake bottom substrates such as silt, sand, or cobble);							
		Presence of sensitive habitats (spawning, migration corridors etc.);		Presence of sensitive habitats (spawning, migration corridors etc.);	**Y**		TSD-14 Freshwater Biota and Habitat Assessment, North/South Consultants, Sept 2018	08MN053_TSD-14-Freshwater-Biota-Habitat_Rev_1	All		
		Description of aquatic and riparian vegetation;		Description of aquatic and riparian vegetation;							
		Fish community and lifestage present;		Fish community and lifestage present;							
		Depth and width of watercourse;		Depth and width of watercourse;							
		Max/min water flows, currents, tides;		Max/min water flows, currents, tides;							
		Turbidity and sediment loads (total suspended solids);		Turbidity and sediment loads (total suspended solids);							
		Sport, commercial, subsistence fishery present.		Sport, commercial, subsistence fishery present.							

Section Title	Section No.	Information Requirement General Water Works	Section No.	Information Requirement Mine Development	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	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Studies	**20**	Provide a list of baseline studies, reports and plans relevant to the application that have been undertaken to date or are being planned including:	**28**	Provide a list of baseline studies, reports and plans relevant to the application that have been undertaken to date including:							
		Geotechnical studies;		Geotechnical studies;	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-6a 180926-2AM-MRY1325-Applic-Part-6b 180926-2AM-MRY1325-Applic-Part-6c 180926-2AM-MRY1325-Applic-Part-12a 180926-2AM-MRY1325-Applic-Part-12b	Attachments 6.1, 6.2, 6.3, 12		
		Geochemical studies;		Geochemical studies;	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-6d	Attachment 6.4		
		Water quality studies;		Water quality studies;	**Y**		TSD-13 Surface Water Assessment, Knight Piesold, Aug 2018	08MN053_TSD-13_Surface-Water_Rev_1	Section 3		
		Hydrological and hydrogeological studies;		Hydrological and hydrogeological studies;	**Y**		TSD-13 Surface Water Assessment, Knight Piesold, Aug 2018	08MN053_TSD-13_Surface-Water_Rev_1	Appendix B		
		Traditional use studies;		Traditional use studies;	**Y**		TSD-03 Phase 2 Workshops Report, Jason Prno Consulting Services Ltd., January 2017	08MN053_TSD-03_Phase-2-Community-Workshops-rpt_Rev_1	All		
	f	Aquatic studies;	**f**	Aquatic studies;	**Y**		TSD-14 Freshwater Biota and Habitat Assessment, North/South Consultants, Sept 2018	08MN053_TSD-14-Freshwater-Biota-Habitat_Rev_1	All		
							TSD-15 Freshwater Fish Habitat Offsetting Plan, Knight Piesold, June 2018	08MN053_TSD-15_Conceptual-Freshwater-Offsetting-Plan_Rev_1	All		
		Meteorological studies;		Meteorological studies;	**Y**		TSD-07 Atmospheric Assessments, Knight Piesold, Aug 2018	08MN053_TSD-07_Atmospheric_Assessments_Rev_1	All		

TABLE 5

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT - PHASE 2 PROPOSAL

APPLICATION TO AMEND TYPE A WATER LICENCE 2AM-MRY1325

ATTACHMENT 3.2 - SUPPLEMENTAL INFORMATION GUIDELINES (SIG) CONCORDANCE
WATER USE

Section Title	Section No.	Information Requirement General Water Works	Section No.	Information Requirement Mine Development	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	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Water Use	**1**	Provide a detailed description of all types of water uses incuding: (See the NWB definition of "use" in the NWB Guide 2: Terminology and Definitions)	**1**	Provide a detailed description of all types of water uses including: (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**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 3		
		Obtain water for domestic purposes	**a**	Obtain water for domestic purposes	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Sections 3.3 to 3.5		
		Obtain water for industrial purposes	**b**	Obtain water for industrial purposes: - drilling - mill or processing plant - concrete production - explosives manufacture - ice road construction - other	**Y**		Same as above	Same as above	Same as above		
		To cross a water course	**c**	To cross a water course	**Y**		Same as above	Same as above	Section 2.5		
		To alter the flow of water, or store water	**d**	To alter the flow of water, or store water	**Y**		Same as above	Same as above	Sections 2.5 and 4.4		
		Flood control	**e**	Flood control	**N/A**	No flood control measures to be used.					
		To divert a watercourse	**f**	To divert a watercourse	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 2.5		
		To modify the bed or bank of a watercourse		To modify the bed or bank of a watercourse	**Y**		Same as above	Same as above	Same as above		
		Others:		Others:	**N/A**	No other water uses are contemplated.					
Water Use: Quality and Quantity Water Intake ****Identify uses as either domestic or industrial****	**2**	Provide the name of the primary water source(s) as well as the name of any alternative water source(s).	**2**	Provide the name of the primary water source(s) as well as the name of any alternative water source(s).	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 3		
	3	Provide a description of the source(s) of water and the location of the water source(s) as shown on a map.	**3**	Provide a description of the source(s) of water and the location of the water source(s) as shown on a map.	**Y**		Same as above	Same as above	Same as above		
	4	Indicate the type of water source(s) as lake, river, well, or other type.	**4**	Indicate the type of water source(s) as lake, river, well, or other type.	**Y**		Same as above	Same as above	Same as above		
	5	Provide a description of the quality of the water from the source(s) for each season (summer, fall, winter, spring).	**5**	Provide a description of the quality of the water from the source(s) for each season (summer, fall, winter, spring).	**Y**		Same as above	Same as above	Same as above		
	6	Provide the capacity of the water source(s).	**6**	Provide the capacity of the water source(s).	**Y**		Same as above	Same as above	Same as above		
	7	Provide the acquisition rate in cubic metres per day and cubic metres per year from each water source.	**7**	Provide the acquisition rate in cubic metres per day and cubic metres per year from each water source.	**Y**		Same as above	Same as above	Same as above		
	8	Provide a description of the water intake method(s) 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.	**8**	Provide a description of the water intake method(s) 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**		Same as above	Same as above	Same as above		
	9	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.	**9**	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**		Same as above	Same as above	Same as above		
	10	Indicate whether water is drawn from the source(s) intermittently or continuously and if intermittently indicate during what months it is drawn and for what period it is drawn (days/weeks/months).	**10**	Indicate whether water is drawn from the source(s) intermittently or continuously and if intermittently indicate during what months it is drawn and for what period it is drawn (days/weeks/months).	**Y**		Same as above	Same as above	Same as above		
	11	Indicate the amount of water to be returned to the source(s).	**11**	Indicate the amount of water to be returned to the source.	**Y**		Same as above	Same as above	Same as above		
	12	Provide a description of the methods to ensure water returned to any source is of an acceptable quality.	**12**	Provide a description of the methods to ensure water returned to any source is of an acceptable quality.	**Y**		Same as above	Same as above	Same as above		
	13	Provide a description of any hydrostatic testing programs, including water sources, and treatment/disposal requirements. If applicable, refer to the NWB's SIG for Hydrostatic Testing.	**13**	Provide a description of any hydrostatic testing programs, including water sources, and treatment/disposal requirements. If applicable, refer to the NWB's SIG for Hydrostatic Testing.	**N/A**	Fuel tanks will be weld-tested using other methods					
			14	Indicate the quantities of water required for ice road construction and provide a description of the methods of ice road construction.	**N/A**	No ice roads will be constructed.					
	14	Provide a description of any measures to reduce water consumption.	**15**	Provide a description of any measures to reduce water consumption.	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 3.5		

Section Title	Section No.	Information Requirement General Water Works	Section No.	Information Requirement Mine Development	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	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Water Storage	**15**	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.	**16**	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**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 3.7		
	16	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.	**17**	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.	**N/A**	No reservoir for water storage.					
	17	Indicate whether a storage reservoir is created in a natural channel. If applicable, provide plan and profile drawings of the reservoir including the size of the drainage basin upstream of the reservoir, topographical plan showing the drainage area boundary, number of hectares flooded, surface area of the reservoir at full capacity, storage capacity, and details of shoreline protection.	**18**	Indicate whether a storage reservoir is created in a natural channel. If applicable, provide plan and profile drawings of the reservoir including the size of the drainage basin upstream of the reservoir, topographical plan showing the drainage area boundary, number of hectares flooded, surface area of the reservoir at full capacity, storage capacity, and details of shoreline protection.							
	18	Provide a plan showing representative cross sections of the reservoir.	**19**	Provide a plan showing representative cross sections of the reservoir.							
	19	Provide a description of the general condition of any existing water storage facility and provide an explanation if it is unsatisfactory.	**20**	Provide a description of the general condition of any existing water storage facility and provide an explanation if it is unsatisfactory.	**N/A**	Current water storage facilities are being maintained and used during operations.					
Water Distribution	**20**	Provide a description of water distribution systems (ie. piped water, trucked) including the number of people on each system.	**21**	Provide a description of water distribution systems (ie. piped water, trucked).	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Sections 2.9 and 3.7		
	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 (ie. piped water, trucked water).			**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Sections 3.3, 3.4 and 3.5		
	22	Provide a description of the general condition of any existing water distribution system and provide an explanation if it is unsatisfactory.	**22**	Provide a description of the general condition of any existing water distribution system and provide an explanation if it is unsatisfactory.	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 3.5		
Watercourse Crossings	**23**	Provide a description of any watercourse crossings including pipelines, bridges, culverts or roads and its purpose.	**23**	Provide a description of any watercourse crossings including pipelines, bridges, culverts or roads and its purpose.	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report 180926-2AM-MRY1325-Applic-Part-8	Section 2.5, Attachment 8		
	24	Indicate whether a temporary detour road is required to construct the watercourse crossing. If applicable, provide a schematic drawing that shows the location of the proposed detour road, any watercourse crossings to be constructed to facilitate the detour road, and the type of crossing.			**N/A**	No detour roads required.					
	25	Provide a plan of any watercourse crossing showing cross section and elevations	**24**	Provide a plan of any watercourse crossing showing cross section and elevations	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report 180926-2AM-MRY1325-Applic-Part-8	Section 2.5, Attachment 8		
Watercourse Trainings	**26**	Provide a description of any watercourse trainings including channel and bank alterations, culverts, spurs, erosion control, and artificial accretion, and its purpose.	**25**	Provide a description of any watercourse trainings including channel and bank alterations, culverts, spurs, erosion control, and artificial accretion, and its purpose.	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report 180926-2AM-MRY1325-Applic-Part-8	Section 2.5, Attachment 8		
Flood Control	**27**	Provide a description of any flood control structures and its purpose.	**26**	Provide a description of any flood control structures and its purpose.	**N/A**	No flood control measures to be used.					
Diversions	**28**	Provide a description of any diversions including ditches and dikes, and its purpose.	**27**	Provide a description of any diversions including ditches and dikes and its purpose.	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report 180926-2AM-MRY1325-Applic-Part-10	Section 3.6, Attachment 10		
Alterations in flow	**29**	Provide a description of any activities or structures that could alter the flow of a watercourse including dams, spillways, berms, cofferdams, and dikes, and its purpose.	**28**	Provide a description of any activities or structures that could alter the flow of a watercourse including dams, spillways, berms, cofferdams, and dikes, and its purpose.	**Y**		Same as above	Same as above	Same as above		
	30	Indicate whether the natural storage capacity or water level of any lake or pond will be altered.	**29**	Indicate whether the natural storage capacity or water level of any lake or pond will be altered.	**Y**		TSD-13 Surface Water Assessment, Knight Piesold, Aug 2018	08MN053_TSD-13_Surface-Water_Rev_1	Section 2		
	31	If the alteration involves a dam, provide a plan showing the length, height, cross section and elevations of the dam and the location and preliminary designs of spillways, canals, sluice pipes, and any other outlet work.	**30**	If the alteration involves a dam, provide a plan showing the length, height, cross section and elevations of the dam and the location and preliminary designs of spillways, canals, sluice pipes, and any other outlet work.	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report 180926-2AM-MRY1325-Applic-Part-10	Section 3.6, Attachment 10		
Dewatering	**32**	Provide a description of dewatering programs, if planned, including estimated quantities, qualities, dewatering flow rates, methods and schedule of withdrawl, end use or discharge location.	**31**	Provide a description of dewatering programs, if planned, including estimated quantities, qualities, dewatering flow rates, methods and schedule of withdrawl, end use or discharge location.	**N/A**	No dewatering programs are planned.					
			32	Provide an estimate of the quality and flow of groundwater that will flow into any open pits.	**N/A**	No change from current Licence.					
Identification	**33**	Indicate whether there are any signs identifying past or present water intake, storage, distribution systems and/or waterwork structures presently in the project area.	**33**	Indicate whether there are any signs identifying past or present water intake, storage, distribution systems and/or waterwork structures presently in the project area.	**N/A**	Area is currently an operating mine.					

Section Title	Section No.	Information Requirement General Water Works	Section No.	Information Requirement Mine Development	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	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Modifications	**34**	Indicate whether any changes are planned for the water intake, storage, distribution systems and/or waterwork structures. If applicable, see item 35 of this section.	**34**	Indicate whether any changes are planned for the water intake, storage, distribution systems and/or waterwork structures. If applicable, see item 35 of this section.	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 3.7		
Proposed Water works	**35**	For each proposed water work component provide design plans. Design plans shall consider the following:	**35**	For each water work component provide the design plans stamped for construction. Design plans shall consider the following:	**Y**					Detailed information will be provided to the NWB prior to starting construction activities.	
		Name of the water body(s) affected.		Name of the water body(s) affected.							
		Site photos, site map, or air photos of the location.		Site photos, site map, or air photos of the location.							
		Description of the existing condition of the site (see section 4)		Description of the existing condition of the site (see Section 5)							
		Indicate whether any structures will be placed in water on a temporary, seasonal or permanent basis and provide a description of when and how the structure will be removed.		Indicate whether any structure will be placed in water on a temporary, seasonal or permanent basis and provide a description of when and how the structure will be removed.							
		The design flood flow in cubic metres per second and its return period for the type of structure proposed.		The design flood flow in cubic metres per second and its return period for the type of structure proposed.							
		An explanation of the rationale for the selected design flow flood and its return period.		An explanation of the rationale for the selected design flow flood and its return period.							
		Design drawings in plan and profile, drawn to scale, including all relevant dimensions.		Design drawings in plan and profile, drawn to scale, including all relevant dimensions.							
		Detaills of design parameters including seismic design criteria if applicable.		Detaills of design parameters including seismic design criteria if applicable.							
		In water work timing restriction for fisheries.		In water work timing restriction for fisheries.							
		Start and completion dates for construction.		Start and completion dates for construction.							
		Construction schedule and sequence taking into account any timing restrictions.		Construction schedule and sequence taking into account any timing restrictions.							
		Construction methods.		Construction methods.							
		Equipment to be used.		Equipment to be used.							
		A description of the source, type, and composition of material used in construction.		A description of the source, type, and composition of material used in construction.							
		The quantity of material to be either placed into or removed from the watercourse.		The quantity of material to be either placed into or removed from the watercourse.							
		Sedimentation and erosion control measures.		Sedimentation and erosion control measures.							
		Construction monitoring plans.		Construction monitoring plans.							
		Construction quality assurance and quality control measures.		Construction quality assurance and quality control measures.							
		Assessment of impacts to fish and fish habitat (see item 46 of this Section).		Assessment of impacts to fish and fish habitat (see item 44 of this Section).							
		Bank stabilization measures (including the size range of material if applicable).		Bank stabilization measures (including the size range of material if applicable).							
		Operation and maintenance plans including instrumentation, monitoring and inspection requirements		Operation and maintenance plans including instrumentation, monitoring and inspection requirements.							
		Contingency plans		Contingency plans.							
		Re-vegetation plans		Re-vegetation plans							
		Proposed post construction monitoring (photos taken of the site before construction, during construction, and after construction; photos should be taken from the same reference point for easy comparison)		Proposed post construction monitoring (photos taken of the site before construction, during construction, and after construction; photos should be taken from the same reference point for easy comparison)							
		Abandonment and restoration plans (see items 46 and 47 of Section 3).		Abandonment and restoration plans (see items 45-49 of Section 3).							
	36	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).	**36**	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).							
	37	If geotextile is used or a similar material to prevent the transport of sediment into a watercourse, provide the technical specifications for the proposed material as well as the location, extent and placement method for the material.	**37**	If geotextile is used or a similar material to prevent the transport of sediment into a watercourse, provide the technical specifications for the proposed material as well as the location, extent and placement method for the material.	**Y**					Detailed information will be provided to the NWB prior to starting construction activities.	
	38	If rip rap is used or a similar material for erosion protection, provide information regarding the minimum and maximum sizes of the material and the gradation between those limits. Indicate the quantity to be used and its source.	**38**	If rip rap is used or a similar material for erosion protection, provide information regarding the minimum and maximum sizes of the material and the gradation between those limits. Indicate the quantity to be used and its source.							

Section Title	Section No.	Information Requirement General Water Works	Section No.	Information Requirement Mine Development	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	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Predicted Environmental Effects and Proposed mitigation measures	**39**	Provide a description of the effects of water usage on the river or lake from which water will be drawn, including potential for drawdown.	**39**	Provide a description of the effects of water usage on the source from which water will be drawn including the potential for drawdown.	**Y**		TSD-13 Surface Water Assessment, Knight Piesold, Aug 2018	08MN053_TSD-13_Surface-Water_Rev_1	All		
	40	Provide a description of any expected changes in surface water flow or storage including changes downstream of the project.	**40**	Provide a description of any expected changes in surface water flow or storage including changes downstream of the project.	**Y**		Same as above	Same as above	Same as above		
	41	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.	**41**	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**		Same as above	Same as above	Same as above		
	42	If the course of any channel is changed, provide a description of measures to maintain stream bed and bank stability.	**42**	If the course of any channel is changed, provide a description of measures to maintain stream bed and bank stability.	**Y**		Same as above	Same as above	Same as above		
	43	Provide a description of 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).	**43**	Provide a description of 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**		Same as above	Same as above	Same as above		
	44	Provide a description of 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).	**44**	Provide a description of 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).	**Y**		Same as above	Same as above	Same as above		
Fisheries	**45**	If applicable, 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 and to visit DFO's website at http://www.dfo-mpo.gc.ca/habitat/habitat-eng.htm.	**45**	If applicable, 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 and to visit DFO's website at http://www.dfo-mpo.gc.ca/habitat/habitat-eng.htm.	**Y**		TSD-14 Freshwater Biota and Habitat Assessment, North/South Consultants, Sept 2018	08MN053_TSD-14-Freshwater-Biota-Habitat_Rev_1	All		
		Potential effects on fish or fish habitat;		Potential effects on fish or fish habitat;							
		The area in square metres to be impacted;		The area in square metres to be impacted;							
		Measures to avoid sensitive periods and habitat areas (i.e., spawning beds, migration corridors);		Measures to avoid sensitive periods and habitat areas (i.e., spawning beds, migration corridors);							
		Measures to avoid physical impacts on habitat;		Measures to avoid physical impacts on habitat;							
		Measures to maintain flows and fish passage;		Measures to maintain flows and fish passage;							
		Measures to avoid sedimentation;		Measures to avoid sedimentation;							
		Measures to avoid spills;		Measures to avoid spills;							
		Detailed habitat no-net-loss plan and site restoration plan;		Detailed habitat no-net-loss plan and site restoration plan;	**Y**		TSD-15 Conceptual Freshwater Offsetting Plan, Knight Piésold, June 2018	08MN053_TSD-15_Conceptual-Freshwater-Offsetting-Plan_Rev_1	All		
Studies	**46**	Provide a list of studies, reports and plans relevant to the application that have been undertaken to date, or are being planned including:	**46**	Provide a list of studies, reports and plans relevant to the application that have been undertaken to date, including:							
		Options analysis;		Options analysis;	**Y**		TSD-01 Alternatives Analysis, Baffinland, August, 2018	08MN053_TSD-01_Alternatives-Analysis	All		
		Water management plan including water balance analysis;		Water management plan including water balance analysis;	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-10	Attachment 10		
		Fisheries assessment;		Fisheries assessment;	**Y**		TSD-14 Freshwater Biota and Habitat Assessment, North/South Consultants, Sept 2018	08MN053_TSD-14-Freshwater-Biota-Habitat_Rev_1	All		
		Construction plan and construction schedule for water works;		Construction plan and construction schedule for water works;	**Y**					Detailed construction information will be made available to the NWB 30 days prior to construction as per water licence.	
		Implementation schedule for construction of works.		Implementation schedule for construction of works.							
		Construction quality assurance and quality control plans;		Construction quality assurance and quality control plans;	**N/A**	Remains unchanged from the Type A Water Licence Application					
		Operation and maintenance plan;		Operation and maintenance plan;	**N/A**	The mine is operational; a large number of operation and maintenance plans are under implementation.					
		Preliminary abandonment and reclamation plans for existing and proposed facilities;		Preliminary abandonment and reclamation plans for existing and proposed facilities;	**N/A**	Intermin Closure Plan has already been filed with the Minister. This will be updated to reflect the Phase 2 Proposal.					
		Final abandonment and reclamation plans for facilities to be closed;		Final abandonment and reclamation plans for facilities to be closed;	**N/A**	Same as above					
		Monitoring plans (See Section 8).		Monitoring plans (See Section 8).	**N/A**	See Table 7					

TABLE 6

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT - PHASE 2 PROPOSAL

APPLICATION TO AMEND TYPE A WATER LICENCE 2AM-MRY1325

ATTACHMENT 3.2 - SUPPLEMENTAL INFORMATION GUIDELINES (SIG) CONCORDANCE
WASTE DISPOSAL

Section Title	Section No.	Information Requirement Mine Development	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	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment	NIRB Guideline Section No.
Waste Disposal	**1**	Provide a detailed description of all types of waste and all forms of waste disposal including: (see the NWB definition of Waste in the NWB *Guide 2: Terminology and Definitions*)	**Y**							
		Sewage	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 4			
		Grey water	**Y**							
		Solid waste	**Y**							
		Sludge	**Y**							
		Hazardous waste including waste oil	**Y**							
		Contaminated soil, snow, ice and/or water	**Y**							
		Bulky items/ scap metal	**Y**							
		Mill or processing plant waste	**N/A**	No milling or processing						
		Mine water	**Y**		FEIS, Baffinland, 2012	Volume 7	Volume 7, Section 3			
		Dredged material	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 2.6			
		Discharge from dewatered areas	**N/A**							
		Other: (describe)	**N/A**							
Waste Disposal: Quality and Quantity	**2**	For each type of waste, provide the composition, chemical characteristics and quantity generated. Also provide the location, rate, timing, frequency and duration of the deposit.	**Y**		Same as above	Same as above	Section 4			
	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**		Same as above	Same as above	Section 4			
	4	Provide a description of any measures to minimize the production of wastes.	**Y**		Same as above	Same as above	Section 4			
Identification	**5**	Indicate whether there are signs identifying any past or present wastewater disposal sites, solid waste disposal sites, or any other waste disposal sites presently in the project area.	**N/A**	The area is a current operating mine						
Modifications	**6**	Indicate whether any changes are planned for the wastewater, solid waste, or any other waste facilities. If applicable, see item 7 of this Section.	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 4			
Proposed waste facilities	**7**	For each proposed waste facility provide design plans. The designs shall consider the following:	**Y**		Milne Port Landfill Design and Operation Report			To be provided following construction of the Phase 2 Proposal, approx. June 2020.		
	a	Site photos, site map, or air photos of the site.								
	b	Description of the existing condition of the site (see Section 5).								
	c	A description of the types of waste entering the facility (if applicable, provide a description of the source, type, and quantity of the waste);								
	d	The concentration of waste entering the facility;								
	e	The geochemical characterization of waste entering the facility, where applicable (ie. tailings solids);								
	f	Distance of the facility from watercourses and fish bearing waters.								
	g	All sources of seepage encountered near watercourse and fish bearing waters as well as the volumes (m3/day) and direction of any seepage;								
	h	Existing and proposed drainage modifications.								
	i	Details of retaining structures.								
	j	Level of treatment (primary, secondary or tertiary).								
	k	By products of treatment which may require further treatment, characterization, handling and disposal.								
	l	Capacity and retention time of the facility;								
	m	Identification of final discharge point (last point of control).								
	n	Method and type of discharge (seasonal, annual, continuous) including details of all decant, siphon mechanisms etc.								
	o	Estimated rates for discharge.								
	p	Restrictions on discharge.								
	q	Discharge effluent criteria proposed;								
	r	Receiving water quality objectives.								
	s	Capacity of the receiving environment;								
	t	Details regarding direction and path of wastewater flow from the area or infrastructure.								

Proposed waste facilities	**u**	Design drawings in plan and profile, drawn to scale, including all relevant dimensions.	**Y**		Milne Port Landfill Design and Operation Report			To be provided following construction of the Phase 2 Proposal, approx. June 2020.		
	v	Details of design parameters including seismic design if applicable.								
	w	Start and completion dates for construction.								
	x	Construction schedule and sequence taking into account any timing restrictions.								
	y	Construction methods.								
	z	Equipment to be used.								
	aa	A description of the source, type, and composition of the material to be used in construction.								
	bb	Construction monitoring plans.								
	cc	Construction quality assurance and quality control measures.								
	dd	Operation and maintenance plans.								
	ee	Contingency plans.								
	ff	Abandonment and restoration plans (see items 45-49 of Section 3).								
	8	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).								
	9	Provide an assessment of alternatives for any proposed tailings containment facility.	**N/A**	No tailing produced						
	10	Provide a description of the general condition of any existing waste facilities and provide an explanation if it is unsatisfactory.	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 4			
Predicted Environmental Effects and Proposed mitigation measures	**11**	Provide detailed treatment plans for discharges from any tailings containment area, attenuation pond, reclaim pond, sewage disposal area, sumps or dewatered area. Water treatment plans should include estimates of treatment efficiency for each parameter of concern and a description of pH adjustment methods.	**Y**		Same as above	Same as above	Section 4.7			
	12	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.	**N/A**	Discharge criteria are stipulated in Type A Water Licence 2AM-MRY1325 and will be adhered to.						
	13	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.	**N/A**	Waste is not expected to inflitrate into the ground.						
	14	Provide a discussion of the consequences of long-term stratification in any pit lakes and associated contingency plans.	**N/A**	Addressed in the Interim Closure and Reclamation Plan						
	15	Provide detailed contingency plans for the treatment of turbid water during dewatering activities and/or increased suspended solids during any rewatering activities.	**Y**		Surface Water and Aquatic Ecosystem Management Plan, Rev 4, Baffinland, March 2016	http://www.baffinland.com/downloadocs/surface-water-and-aquatic-ecosystem-management-plan_2017-11-40-00.pdf	Section 4			

Operations and Maintenance	**16**	Provide operation and maintenance plans for any tailings containment areas.	**N/A**	No tailings produced						
	17	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**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Section 4.8	Jun-2020		
Hazardous Materials	**18**	Provide a description of the type and quantities of drill additives, mill reagents, petroleum products, chemicals and/or hazardous materials on site. (MSDS sheets are not required to be submitted as part of the water licence application).	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-1-Main-Report	Appendix C			
	19	Provide details regarding the handling and storage of hazardous or potentially hazardous materials.	**Y**		Same as above	Same as above	Section 5			
Emergency Response and Spill Contingency	**20**	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**		Same as above	180926-2AM-MRY1325-Applic-Part-1-Main-Report 180926-2AM-MRY1325-Applic-Part-13	Section 5; Attachment 13			
	21	Provide an Emergency Response and Spill Contingency Plan (ERSCP) that includes mechanisms and processes for addressing potential or actual failure of structures, response equipment and material storage, and programs for providing appropriate training to workers. The plan shall address all licensed facilities.	**Y**		TSD-28 Mitigation and Monitoring Plans	TSD-28-Mitigation--Monitoring	Section 1.5			
	22	Plan(s) shall address phases of the project including construction, operation, and care & maintenance.	**Y**		Same as above	Same as above	Section 5			
	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.	**N/A**	Provided in existing Spill Contingency Plan and Oil Pollution Emergency Plan (OPEP)						
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:								
		Options analysis.	**Y**		TSD-01 Alternatives Analysis, Baffinland, Sept 2018	TSD-01-Alternatives-Analysis_Rev_1	All			
		Geotechnical and geothermal assessment;	**Y**		See Doc Key (Att. 3.1)	180926-2AM-MRY1325-Applic-Part-6a 180926-2AM-MRY1325-Applic-Part-6b 180926-2AM-MRY1325-Applic-Part-6c 180926-2AM-MRY1325-Applic-Part-12a 180926-2AM-MRY1325-Applic-Part-12b	Attachments 6.1, 6.2, 6.3, 12			
		Water quality modeling;	**Y**		TSD-13 Surface Water Assessment, Knight Piesold, August 2018	TSD-13-Surface-Water_Rev_1	Section 3			
		Snow drift assessments;	**N/A**	Not completed						
		Permafrost protection;			TSD-08 Landforms, Soil and Permafrost Assessment,	08MN053_TSD-08_Landforms-Soil-and-Permafrost_Rev_1	All			
		Mine waste and water management; Landfill management; Landfarm management; Quarry Management; Incineration management; Hazardous waste management; Operation and maintenance plan; Inspection plan (see Section 8);	**Y**		TSD-28 Mitigation and Monitoring Plans	TSD-28-Mitigation--Monitoring	All	Baffinland will update its current Environmental Management System and applicable management plans to reflect the requested amendment changes.		
		Tailings monitoring (see Section 8);	**N/A**	No tailings generated						
		Mine site water quality monitoring (see Section 8); Receiving water quality monitoring (see Section 8); Aquatic effects monitoring (see Section 8); Geotechnical and structural monitoring (see Section 8); Quality assurance and quality control plan; Spill contingency and emergency response plans; Preliminary abandonment and reclamation plans for existing and proposed facilities; Final abandonment and reclamation plans for facilities to be closed; Remediation plans for waste disposal infrastructure;	**Y**		TSD-28 Mitigation and Monitoring Plans	TSD-28-Mitigation--Monitoring		Baffinland will update its current Environmental Management System and applicable management plans to reflect the requested amendment changes.		
		Human health and ecological risk assessment for establishment of remediation objectives for closure;	**Y**		TSD-11 Country Foods Risk Assessment	08MN053_TSD-11_Evaluation-of-Exposure-Selected-VECs_Rev_1	All			
		Construction plan and construction schedule for waste management infrastructure; Implementation schedule for construction of works, submission of studies and mitigation plans for operations and closure;	**Y**					To be provided to the NWB prior to construction in accordance with the Licence 2AM-MRY1325.		

TABLE 7

BAFFINLAND IRON MINES CORPORATION
MARY RIVER PROJECT - PHASE 2 PROPOSAL

APPLICATION TO AMEND TYPE A WATER LICENCE 2AM-MRY1325

ATTACHMENT 3.2 - SUPPLEMENTAL INFORMATION GUIDELINES (SIG) CONCORDANCE
MONITORING

Section Title	Section No.	Information Requirement General Water Works	Section No.	Information Requirement Mine Development	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	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
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.	**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**		Surface Water and Aquatic Ecosystems Management Plan, Baffinland, 2016	http://www.baffinland.com/downloadocs/surface-water-and-aquatic-ecosystem-management-plan_2017-11-40-00.pdf	Section 9		
							Aquatlic Effects Monitoring Plan, Baffinland, April 8, 2016	ftp://ftp.nwb-oen.ca/registry/2%20MINING%20MILLING/2A/2AM%20-%20Mining/2AM-MRY1325%20BIMC/3%20TECH/9%20MONITORING%20(I)/AEMP/2016%20AEMP/	Tables 3.1, 3.2, 4.1; Figures 3-1, 3-2, 3-3, 3-4, 4-1, 4-2, 4-3, 4-4, 4-5		
							Fresh Water Supply, Sewage, and Wastewater Management Plan, Baffinland, March 29, 2018	http://www.baffinland.com/downloadocs/baf-ph1-830-p16-0010-r5---fwswmp_2018-15-11-48.pdf	Section 11		
	2	Indicate who is responsible for sampling including that person's position, contact information and level of training.	**2**	Indicate who is responsible for sampling including that person's position, contact information and level of training.	**Y**		Connor Devereaux Position: Environmental Superintendent				
	3	Indicate the name and contact information of the certified laboratory performing the analysis of samples.	**3**	Indicate the name and contact information of the certified laboratory performing the analysis of samples.	**Y**		ALS Environmental Laboratory in Waterloo, Ontario.	https://www.alsglobal.com/ca/locations/americas/north-america/canada/ontario/waterloo-environmental			
	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.	**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**		Environmental Protection Plan, Baffinland, Aug 30, 2016	http://www.baffinland.com/downloadocs/baf-ph1-830-p16-0008-r1---environment-protection-plan_2017-01-05-29.pdf	All		
			5	Provide a summary table of all monitoring commitments that details all monitoring 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.			Aquatlic Effects Monitoring Plan, Baffinland, April 8, 2016	ftp://ftp.nwb-oen.ca/registry/2%20MINING%20MILLING/2A/2AM%20-%20Mining/2AM-MRY1325%20BIMC/3%20TECH/9%20MONITORING%20(I)/AEMP/2016%20AEMP/	Tables 3.1, 3.2, 4.1; Figures 3-1, 3-2, 3-3, 3-4, 4-1, 4-2, 4-3, 4-4, 4-5		
	6	Provide a summary table that details the monitoring plan. The table should include stations numbers, location, parameter(s) and frequency. Provide a map detailing the location of monitoring sites.	**6**	Provide a summary table of the expected quality and quantity of waters, over time in all sumps, monitoring 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.			Same as above	Same as above	Tables 5.1 and 5.2		
			7	Provide a monitoring plan for incinerator emissions (including, but not limited to, stack testing and annual reporting).	**Y**		Air Quality and Noise Abatement Management Plan, Baffinland, March 14, 2016	http://www.baffinland.com/downloadocs/baf-ph1-830-p16-0002-r6---air-quality-and-noise-abatement-management-plan_2017-01-09-42.pdf	Section 5.2.2		
	5	Provide a Quality Assurance/ Quality Control (QA/QC) Plan that addresses both field sampling and laboratory analyses.	**8**	Provide a Quality Assurance/ Quality Control (QA/QC) Plan that addresses both field sampling and laboratory analyses.			Surface Water Sampling Program – Quality Assurance and Quality Control Plan, Baffinland, Jan 15, 2014	ftp://ftp.nwb-oen.ca/registry/2%20MINING%20MILLING/2A/2AM%20-%20Mining/2AM-MRY1325%20BIMC/3%20TECH/9%20MONITORING%20(I)/I%2016/140115%202AM-MRY1325%20BAF%20PH1%20830%20245%200001%20Part1-IAAE.pdf			