

APPENDIX B

Supplementary Information Guideline (SIG) Form

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1.0 Introduction

This Supplemental Information Guideline (SIG) is for applicants seeking a water licence for water use, waste disposal, works and associated activities for Mine Development which is an undertaking classified as Mining and Milling in accordance with the *Northwest Territories Water Regulations* (NTWR or Regulations).

Supplemental information is required as part of the water licence application in accordance with section 48(2) of the Nunavut Waters Nunavut Surface Rights Tribunal Act (NWNSRTA or Act) which states:

“An application, except in relation to a cancellation, shall be accompanied by the information and studies concerning the use of waters or the deposit of waste that are required for the Board to evaluate the qualitative and quantitative effects of the use or the deposit on waters.”

Also, in accordance with section 48(3) of the Act, on the filing of an application, the Board may provide guidelines to the applicant respecting the information to be provided by the applicant in respect of any matter that the Board considers relevant, including the following:

- a) the description of the use of waters, deposit of waste or appurtenant undertaking, as the case may be;
- b) the qualitative and quantitative effects of the use of waters or the deposit of waste on the drainage basin where the use is to be undertaken or the deposit is to be made, and the anticipated impact of the use or deposit on other users;
- c) the measures the applicant proposes to take to avoid or mitigate any adverse impact of the use of waters or the deposit of waste;
- d) the measures the applicant proposes to take to compensate persons, including the designated Inuit organization, who are adversely affected by the use of waters or the deposit of waste;
- e) the program the applicant proposes to undertake to monitor the impact of the use of waters or the deposit of waste;
- f) The interests in and rights to lands and waters that the applicant has obtained or seeks to obtain; and
- g) the options available for the use of waters or the deposit of waste.

To provide further guidance for these requirements, as well as the requirements of section 6(2) of the Regulations which outlines more specific information requirements for proposed undertakings, the NWB has developed Supplemental Information Guidelines (SIGs or Guidelines).

The SIGs are designed in spreadsheet format to facilitate the development of a concordance table that cross references the requirements of the SIG with the documents that make up the water licence application. The tables in the following eight (8) worksheets include columns for the applicant to enter information regarding the applicability of the requirement to the proposed undertaking; the title, author, and date of the document where information to address the requirement can be found; the electronic file name of the document; as well as the section of the document where the information can be found. Specific information about the proposed undertaking should not be inserted into these spreadsheets.

The applicant must complete the columns of the SIG that have yellow highlighted headers and submit the completed SIG along with the documents that address the requirements of the SIG to the NWB.

Further to this SIG, the applicant is referred to the NWB's *Guide 4 - Completing and Submitting a Water Licence Application for a New Licence*. Guide 4 provides more details regarding completion of the NWB's minimum information requirements, information required to complete plans including designs and reports, executive summaries and translations, as well as how, when and who to contact when submitting a water licence application.

Following submission of a water licence application, the NWB will determine whether the application is complete. If the NWB determines that an application is materially incomplete, meaning that items 1 to 6 of Section 2: Water Licence Application Package are missing, the applicant will be informed by the NWB that their application has been rejected. In other cases, NWB staff will correspond with the applicant to resolve deficiencies before proceeding.

The NWB cannot issue, amend, or renew a licence where there is an applicable, approved land use plan until the NPC's requirements under the NLCA have been addressed regarding land use planning (Article 11). In addition, the NWB cannot issue, amend, or renew a licence where the appurtenant undertaking requires screening by NIRB in accordance with Part 4 of Article 12 of the NLCA until NIRB has completed its screening. Furthermore, notwithstanding sections 13.5.5 or 12.10.2 of the NLCA, where the appurtenant undertaking requires a review under Part 5 or Part 6 of Article 12 of the NLCA, the Board may not issue, amend, or renew a licence until NIRB has issued a project certificate. For this reason, the applicant must provide the NWB with written confirmation that both NPC's and NIRB's requirements under the NLCA have been addressed.

Following completion of development impact assessment in accordance with Article 12 of the NLCA, the NWB may issue additional Project Specific Information Requirements (PSIR) to the applicant.

The applicant is referred to Appendix A of these Guidelines for a list of additional documents, guidelines, legislation and standards that may be of use to the applicant in preparing the information to address this SIG.

Submission of the information required by this SIG does not relieve the applicant from confirming and following up on other information requirements which may be required during the regulatory process.

2.0 Water Licence Application Package

Provide a complete list of all documents that comprise the water licence application package using the checklist provided below. If a specific document is submitted as part of your water licence application, but is not listed below, provide a brief description in the cells provided.

Note: Baffinland is requesting a renewal of its existing Type A Water Licence on current terms and conditions: no changes to the Mary River Project are included in this renewal application and it is not an amendment application. Nonetheless, Baffinland has completed the Supplemental Information Guidelines and provided the materials listed below with this renewal application on the advice of Nunavut Water Board staff.

No.	Check	List of Documents that Comprise the Water Licence Application Package
1	<input checked="" type="checkbox"/>	<u>General Water Licence Application Form</u> (see the NWB's <i>Guide 4: Completing and Submitting a Water Licence Application for a New Licence</i>) or <u>Application for Water Licence Amendment Form</u> , if appropriate (see NWB's <i>Guide 7: Licensee Requirements Following the Issuance of a Water Licence</i>). ^b The renewal application is included in Appendix A of the Application and Supporting Information Document
2	<input checked="" type="checkbox"/>	Completed Supplemental Information Guideline (SIG or Guideline). ^{a, b}
3	<input checked="" type="checkbox"/>	Executive summary in english. ^{b, h}
4	<input checked="" type="checkbox"/>	Translated executive summary in appropriate language and dialect. ^b
5	<input checked="" type="checkbox"/>	Application fee. ^b
6	<input checked="" type="checkbox"/>	Water use fee. ^b
7	<input checked="" type="checkbox"/>	Project Description.
8	<input checked="" type="checkbox"/>	Abandonment and Restoration Plan in accordance with Section 3, Item 21.
9	<input checked="" type="checkbox"/>	Operations and Maintenance Manual in accordance with Section 7, Item 2 (a).
10	<input checked="" type="checkbox"/>	Emergency Response and Spill Contingency Plan in accordance with Section 7, Item 2 (c).
11	<input checked="" type="checkbox"/>	Other: Nunavut Planning Commission Conformity Letter
12	<input checked="" type="checkbox"/>	Other: Permit Register
13	<input checked="" type="checkbox"/>	Other: 1:50,000 scale maps, detailed layouts, recent site photos
14	<input checked="" type="checkbox"/>	Other: Baffinland's Articles of Incorporation
15	<input checked="" type="checkbox"/>	Other: 2022 ASR decision from the NWB
16	<input checked="" type="checkbox"/>	Other: Baffinland's Response to QIA's Comments on Draft Application
17	<input checked="" type="checkbox"/>	Other: Desktop Review of Available Inuit Knowledge
18	<input checked="" type="checkbox"/>	Other: Regulatory Inspections and Baffinland's Responses
19	<input checked="" type="checkbox"/>	Other: Surface Water, Aquatic Ecosystem Management Plan
20	<input checked="" type="checkbox"/>	Other: Fresh Water Supply, Sewage, and Wastewater Management Plan
21	<input checked="" type="checkbox"/>	Other: Waste Management Plan
22	<input checked="" type="checkbox"/>	Other: Hazardous Materials and Hazardous Waste Management Plan
23	<input checked="" type="checkbox"/>	Other: Borrow Pit and Quarry Management Plan
24	<input checked="" type="checkbox"/>	Other: Aquatic Effects Monitoring Plan

25	<input checked="" type="checkbox"/>	Other: Environmental Protection Plan
26	<input checked="" type="checkbox"/>	Other: Sampling Program - Quality Assurance and Quality Control Plan
27	<input checked="" type="checkbox"/>	Other: Phase 1 Waste Rock Management Plan
28	<input checked="" type="checkbox"/>	Other: Life-of-Mine Waste Rock Management Plan

Notes:

- a The SIG applies to applicants seeking a new water licence or an amendment to an existing water licence. The SIG does not apply to applicants seeking a strict water licence renewal.
- b Application packages that do not include items 1 to 6 listed above will be returned to the applicant as incomplete with a request for the deficient information.
- c If more than one licensable activity or facility is proposed that requires a water licence (e.g. multiple water sources, waste deposits, structures, crossings, etc.) the required information must be provided for each activity or facility.
- d Information between all documents that make up the application package must be consistent and must be accurately cross referenced.
- e The application package must distinguish between recommendations or options and actual commitments to chosen alternatives.
- f Electronic documents must be less than 3MB and named according to the document title. For additional guidance regarding the submission of electronic documentation, see the NWB's [Guide 6: Electronic Documentation: Submissions and Registry](#).
- g The applicant, where practical, may combine components of the information requested in the SIG into more concise plans to provide clarity and eliminate duplication. If this approach is taken, then the applicant must clearly outline, through proper referencing and clearly detailed statements, how the NWB should consider the documents that have combined elements of information. Information management is the responsibility of the applicant.
- h The applicant must submit a concise executive summary of the application package. In addition, the Applicant shall submit an executive summary for each separate supporting document, report or study. All executive summaries shall be provided in English, Inuktitut and/or Inuinnaqtun (where applicable).

3.0 Water Licence Application Form Information Requirements

No.	Section	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'. If 'NA' provide justification.	Insert <u>Title, Author and Date of Document</u> where information is provided	Insert <u>electronic file name of document</u> where information is provided	Insert <u>Section of document</u> 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.
1	Applicant	Provide the full name of the applicant and contact person including contact information (position, phone number, address, fax number and email address).	Y	Mary River Project - Water Licence 2AM-MRY1325 - Application and Supporting Information, Knight Piesold, 2024 ("Renewal Application, KP 2024")	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-A.pdf	Box 1 in Appendix A			
2	Applicant Representative	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).	Y	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-1Application&Supporting-Info.pdf	Section 1.2			
		Provide a signed letter authorizing a party to be the applicant's representative in the licensing process.	Y	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-A.pdf	Box 28 in Appendix A			
3	Name of Project	Provide the name of the project including the name of the project location.	Y	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-A.pdf	Box 3 in Appendix A			
4	Location of Undertaking	Provide coordinates of the project extents.	Y	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-A.pdf	Box 4 in Appendix A			
		Provide location by Latitude and Longitude (degrees, minutes and seconds).	Y						
		Provide location by UTM coordinates, if available.	NA - Locations provided using lat/long in renewal application	-	-	-			
		Provide the distances to the nearest communities.	NA - Project coordinates have not changed.	-	-	-			
		Indicate whether the drainage basin, in which the project is located, is shared with any other jurisdiction. If applicable, indicate which jurisdiction.	NA - Entirely within Nunavut	-	-	-			
5	Map	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	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-E.pdf	Appendix E			

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6	Nature of Interest in the Land	Provide the nature of the interest in the land associated with the proposed undertaking, including:	Y	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-A.pdf	Box 6 in Appendix A, Appendix D			
		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						
		The date or expected date of issuance of any authorization and the date of expiry.	Y						
		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						
7	NPC Determination	Provide written confirmation from the NPC confirming that NPC's requirements under the NLCA regarding land use plan conformity (Article 11 of the NLCA) have been addressed.	Y	NPC File No: 150396 [Sustaining Operations Proposal], NPC 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-C.pdf	Entire Document			
8	NIRB Determination	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: Written confirmation from NIRB that the project proposal does not require screening; 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, the Minister's written decision regarding the review of the development proposal; If a review is required, NIRB's project certificate. List of activities requested for exception in accordance with NLCA s. 12.10.2. 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.	Y	NPC File No: 150396 [Sustaining Operations Proposal], NPC, 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-C.pdf	Entire Document			
9	Description of Undertaking	See Section 4 of this SIG for specific requirements.							
10	Options (Alternatives)	Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.	Y	Mary River Project Final Environmental Impact Statement, Baffinland 2012 ("FEIS, Baffinland 2012") Early Revenue Phase - Mary River Project - Addendum to the Final Environmental Impact Statement, Baffinland 2013 ("ERP FEIS Addendum, Baffinland 2013")	Volume 3.pdf	Section 6			

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11	Other Applicable Supplemental Information Guidelines	Indicate whether any other Supplemental Information Guidelines apply to the undertaking including the following:							
		Hydrostatic testing;	NA						
		Tannery;	NA						
		Tourist / remote camp;	NA						
		Landfarm and on-site storage of hydrocarbon contaminated soil;	NA - Landfarms already constructed						
		Onshore oil and gas exploration drilling;	NA						
		Mineral exploration/ remote camp;	NA						
		Advanced exploration;	NA - a separate Type B water licence governs Baffinland's exploration activities						
		Mine development;	Y						
		Municipal;	NA						
		General Water Works;	NA						
		Power.	NA						
12	Water Use	See Section 6 of this SIG for specific requirements.							
13	Water Use: Quality and Quantity	See Section 6 of this SIG for specific requirements.							
14	Waste Disposal	See Section 7 of this SIG for specific requirements.							
15	Waste Disposal: Quality and Quantity	See Section 7 of this SIG for specific requirements.							
16	Other Authorizations	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.	Y	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-D.pdf	Appendix D			
		Provide a timetable for filing the appropriate plans and procedures required by other authorities.	Y	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-A.pdf	Box 24 in Appendix A			
		Provide a description of how those authorizations may affect the NWB's water licensing process.	Y	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-A.pdf	Boxes 7 and 8 in Appendix A			
		Provide formal applications to the Navigable Waters Protection Program (NWPP) for any works if applicable.	NA - No new works regarding renewal	-	-	-			
		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	Type A Water Licence 2AM-MRY1325, Type B Water Licence 2BE-MRY2131	-	-			

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17	Predicted Environmental Effect and Proposed Mitigation Measures	Identify the potential effect of water use and waste disposal on the following components:	Y	FEIS, Baffinland 2012 ERP FEIS Addendum, Baffinland 2013	Volume 7.pdf	Volume 7 - Freshwater Effects Assessment			
		Groundwater and Surface Water including:	Y	FEIS, Baffinland 2012 FEIS Addendum, Baffinland 2013	Volume 7.pdf	Volume 7, Section 2.0 - Freshwater quantity			
		Changes in flow (including seasonal rate of flow);		FEIS, Baffinland 2012 FEIS Addendum, Baffinland 2013	Volume 6.pdf and Volume 7.pdf	Volume 6, Section 2.1.5 Volume 7, Section 2.3			
		Quantity;		FEIS, Baffinland, 2012; Renewal Application, KP 2024	Volume 7.pdf, 240626-2AM-MRY1325-WL-Renewal-Applic-1Application&Supporting-Info.pdf	Volume 7, Section 2.0 (2.3); Main Report Section 5.0			
		Quality;		FEIS, Baffinland 2012 ERP FEIS Addendum, Baffinland 2013	Volume 6.pdf, Volume 7.pdf	Volume 6, Section 2.1.4, 2.1.5, and 2.5. Volume 7, Section 3.0 (3.4)			
		Land including:	Y	See below	-	-			
		Geologic structure change;	Y	FEIS, Baffinland 2012 ERP FEIS Addendum, Baffinland 2013	Volume 6.pdf; In Volume 6, Appendix 6D: 06-Appendix 6D - Ecological Land Classification.pdf	Volume 6, Section 2.0; Appendix 6D - Ecological Land Classification			
		Soil contamination;			Volume 6.pdf	Volume 6, Section 2.4.1			
		Compaction, settling and erosion;			Volume 6.pdf	Volume 6, Section 2.1.3			
		Alteration of the permafrost regime;			Volume 6.pdf	Volume 6, Section 2.0			
		Riparian zone loss;			Volume 6.pdf and Volume 7.pdf	Volume 6, Section 3.0; Volume 7, Section 4.0			
		Vegetation including:	Y	See below	-	-			
		Species composition and abundance;	Y	FEIS, Baffinland 2012	Volume 6.pdf	Volume 6, Section 3.0			
17	Predicted Environmental Effect and Proposed Mitigation Measures	Non-native species introduction;	Y	FEIS, Baffinland 2012 ERP FEIS Addendum, Baffinland 2013	Volume 6.pdf and Volume 10.pdf	Volume 6, Section 3.0; Volume 10, Section 7.0			
		Accumulation of toxins and heavy metals (in relation to remediation objectives for closure);	Y		Volume 6.pdf; In Volume 6, Appendix 6D: 010-Appendix 6G-1 Evaluation of Exposure Potential from Ore Dusting (2010), 011-Appendix 6G-2 - Evaluation of Exposure Potential from Ore Dusting (2011)	Volume 6, Section 3.0; Appendix 6G-1 and 6G-2			
		Aquatic Ecosystems including:							
		Fish;	Y	FEIS, Baffinland 2012	Volume 7.pdf	Volume 7, Section 4.0			
		Benthic invertebrates;	Y	ERP FEIS Addendum, Baffinland 2013	Volume 7.pdf	Volume 7, Section 4.0			
		Plankton.	Y		Volume 7.pdf	Volume 7, Section 4.0			
		See Sections 5, 6 and 7 of this SIG for specific information requirements.							

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18	Existing and Other User Water Rights	Provide the names, addresses, and nature of use for any known persons or properties that may be adversely affected by the proposed undertaking, including those that hold licences for water use in precedent to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature.	Y	FEIS, Baffinland 2012; Type A Water Licence Application, Hatch 2012	Volume 2.pdf; In Volume 3, Appendix 3B, Attachment 1: 001 - Type A Application Form.pdf; Volume 4.pdf	Volume 2, Sections 1.0 and 2.0; Volume 3, Appendix 3B, Attachment 1 - Block 18; no other users in LSA; Volume 4, Section 10.0			
		Provide a description of any potential effects of the project on the persons or properties identified above.	Y	FEIS, Baffinland 2012 ERP FEIS Addendum, Baffinland 2013	Volume 7.pdf	No other users in LSA; potential effects on receiving environment are discussed in Volume 7, Section 2.0, 3.0 and 4.0			
		Provide a description of the measures incorporated into the project design to mitigate effects of the project on the persons or properties identified above.	Y	Type A Water Licence Application, Hatch 2012	see folders in Volume 3, Appendix 3B: 05. Attachment 3 - Project Wide Documents, 06. Attachment 4 - Site Specific Documents, 07. Attachment 5 - Management Plans, 08. Attachment 6 - Quarries, 09. Attachment 7 - Water Crossings, 10. Attachment 8 - Explosives, 11. Attachment 9 - Drawings	No other users in LSA; Appendix 3B, Attachment 3 & 4 - Project Design Criteria; Attachment 5 - all Management Plans; Attachment 6 - Quarries; Attachment 7 - Water Crossings; Attachment 8 - Explosives; Attachment 9 - Drawings			
		Indicate whether compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.	Y	Mary River Project - Type 'A' Licence Application - Baffinland Iron Mines Corporation - DIO Confirmation of Water Compensation Agreement, QIA 2014	140503 2AM-MRY1325 QIA Letter to NWB Water Compensation- IEDE.pdf	All			

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19	Inuit Water Rights	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	FEIS, Baffinland 2012	Volume 7.pdf	Volume 7, Sections 2.0, 3.0 and 4.0			
		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	Type A Water Licence Application, Hatch 2012	see folders in Volume 3, Appendix 3B: 05. Attachment 3 - Project Wide Documents, 06. Attachment 4 - Site Specific Documents, 07. Attachment 5 - Management Plans, 08. Attachment 6 - Quarries, 10. Attachment 8 - Explosives, 11. Attachment 9 - Drawings	Volume 3, Appendix 3B, Attachment 3 & 4 - Project Design Criteria; Attachment 5 - all Management Plans; Attachment 6 - Quarries; Attachment 8 Explosives; Attachment 9 - Drawings			
		Indicate whether 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	Mary River Project - Type 'A' Licence Application - Baffinland Iron Mines Corporation - DIO Confirmation of Water Compensation Agreement, QIA 2014	140503 2AM-MRY1325 QIA Letter to NWB Water Compensation-IEDE.pdf	All			
20	Consultation	Provide a summary of any consultation meetings including when the meetings were held, where and with whom.	Y	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-1Application&Supporting-info.pdf	Section 4.0			
		Provide a summary of the results of consultation meetings including a list of concerns expressed and measures proposed to address concerns.							
21	Security	Provide a financial security assessment that is prepared in a manner consistent with principals respecting mine site reclamation and implementation found in the <u>Mine Site Reclamation Policy for Nunavut</u> , Indian and Northern Affairs Canada, 2002. The financial security assessment must include:	Y	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-1Application&Supporting-info.pdf	Section 3.0, Appendix H			
		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;							
		The cost of having the necessary reclamation work done by a third-party contractor if the operator defaults;							
	Abandonment and Restoration	Contingency factors appropriate to the particular work to be undertaken.	Y	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-1Application&Supporting-info.pdf	Appendix L10			
		Provide a separate stand alone Abandonment and Restoration Plan for site facilities. The electronic version of the plan must be less than 3MB and named accordingly. Please see the NWB's <u>Guide 6: Electronic Documentation - Submissions and Registry</u> for more information. Provide a list and description of any existing abandoned or restored site facilities.							

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22	Financial Information	Provide a statement of financial responsibility. If the applicant is an entity for which audited financial statements are issued, a copy of the most recent audited financial statements must be attached to the statement of financial responsibility.	NA - Baffinland is not an entity that publicly discloses audited financial statements	-	-	-			
		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	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-1Application&Supporting-info.pdf	Section 3.0, Appendix G			
23	Studies and Designs	Provide a list of studies, reports and plans relevant to the application that have been undertaken to date. Attach copies if applicable.	Y	The following documents available on the public registry contain the relevant studies, reports and plans: FEIS including water licence application in Appendix 3B, Baffinland 2012 ERP FEIS Addendum, Baffinland 2013; Water licence amendment application, Baffinland 2014; QIA/NWB annual reports for operations from 2013 to 2023					
24	Proposed Time Schedule	Provide the proposed start and completion dates for each phase of development (construction, operation, closure) and any anticipated periods of seasonal shut down.	Y	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-A.pdf	Box 24 in Appendix A			
25	Proposed Term of Licence	Provide a proposed term of licence including the expected date of licence issuance and the expected date of licence expiry.	Y	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-A.pdf	Box 25 in Appendix A			
26	Annual Reporting	If not using the NWB's <u>Standardized Form for Annual Reporting</u> , 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:	Y	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-1Application&Supporting-info.pdf	Box 26 in Appendix A			
		Water related monitoring results;		Renewal Application, KP 2024; 2023 Annual NWB/QIA Annual Report for Operations, Baffinland 2024	240626-2AM-MRY1325-WL-Renewal-Applic-1Application&Supporting-info.pdf	Section 5			
26	Annual Reporting	A description of how the conditions in any NIRB screening decision related to the NWB mandate have been implemented;	Y	2023 NIRB Annual Report, Baffinland 2024	Available on NIRB's public registry and Baffinland's website document portal				
		Any actions taken in response to direction provided by the Inspector.	Y	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-1Application&Supporting-info.pdf	Section 6, Appendix K			

3.0 Water Licence Application Form Information Requirements

No.	Section	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'. If 'NA' provide justification.	Insert <u>Title, Author and Date of Document</u> where information is provided	Insert <u>electronic file name of document</u> where information is provided	Insert <u>Section of document</u> 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.
27	Renewals and Amendments	If the application is for a renewal and/or amendment of an existing licence provide the water licence number and the date of water licence expiry.	Y	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-A.pdf	Above Box 1 and in Box 25 in Appendix A			
		If the application is for a renewal and/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 occurred including a description, location shown on a map, and the action taken to address the affected area.	Y	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-1Application&Supporting-info.pdf	Section 6, Appendix K			

4.0 Project Description Information Requirements

No.	Section	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA ' . If 'NA' provide justification.	Insert Title, Author and Date of Document where information is provided	Insert electronic file name of document where information is provided	Insert Section of document where information is provided	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.
1	Description of Undertaking	Provide a complete description of the undertaking with detailed site plan(s) of all project infrastructure for the Local Project Area (LPA) and/or the Regional Project Area (RPA), where applicable. 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	Construction Summary Report: Mine Water Management System, Hatch, 2014 Construction Summary Report: Milne Port Water Management System, Hatch, 2014	150203 2AM-MRY1325 H349000 4720 50 124 0002 Part1-IAAE 150223 2AM-MRY1325 H349000 2720 50 124 0001 reduced Part1-IAAE	All			
		Raw water intake;	Y						
		Water storage and treatment facilities including distribution systems;	Y						
		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	Long-Term Mine Site Water Management Plan, KP 2021; Modification Request No. 9 Milne Port Ore Stockpile Water Management Upgrades, Baffinland 2018; Modification Request No. 12 Milne Port Ore Stockpile #1 and Water Management Expansion, Baffinland, 2019	180716 2AM-MRY1325 MPOSWMU Modification Request No 9-ILAE; 210816 2AM-MRY1325 Modification 13 OAKE 190503 2AM-MRY1325 MPOS No.1 Water Mgmt Expansion 1of 2-ILAE	All			
		Location of receiving water bodies and drainage pathways;							
		Transportation access routes and details of water course crossings;	Y	Water Licence Application, Baffinland, 2012	Volume 3.pdf; see folders in Volume 3, Appendix 3B, Attachment 7 - Water Crossings	Volume 3, Sections 2.0 and 3.0; Appendix 3B, Attachment 7 - Water Crossings			
		Locations of environmental monitoring sites;	Y	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-F1	Appendix F1			
		Traditional water use and land use areas that may be impacted by the project;	Y	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-J.pdf	Appendix J			
		Sewage treatment facilities;	Y	Fresh Water Supply, Sewage, and Wastewater Management Plan, Baffinland, 2023; Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-F1	Section 5, Appendix L4			
		Wastewater treatment area and discharge outlet locations;	Y		240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L4.pdf	Section 5.3, Appendix L4			
		Solid waste disposal areas and drainage patterns;	Y	Mary River Landfill QA/QC Report (as-Built Report), Genivar 2010 Clarification of Mine Site Landfill/Landfarm Proposed Footprint, Baffinland 2023	100907 2BB-MRY0710 As-built Report Non-Haz Landfill Facility-ILAE 230317 2AM-MRY1325 BIM LTR to NWB Landfill Landfarm Footprint-ILAE	Attachment 2			

4.0 Project Description Information Requirements

No.	Section	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'. If 'NA' provide justification.	Insert Title, Author and Date of Document where information is provided	Insert <u>electronic file name of document</u> where information is provided	Insert <u>Section of document</u> 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.
1	Description of Undertaking	Incinerators;	Y	Waste Management Plan, Baffinland, 2023	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L5.pdf	Appendix L5, Section 4.5			
		Landfarm (see the NWB's SIG for Landfarm and on-site storage of hydrocarbon contaminated soil (I3));	Y	Construction Summary Report: Milne Port Landfarm Package, Hatch 2014	200727 2AM-MRY1325 NWB Approval - Landfarm IFCs.pdf	Appendix L6, Section 4.4			
		Waste rock piles (PAG and non-PAG);	Y	Phase 1 Waste Rock Management Plan, Baffinland 2024; Life-of-Mine Waste Rock Management Plan, Baffinland 2014	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L12.pdf; 240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L13.pdf	Appendix L12; Appendix L13			
		Stockpiles;	Y	Type 'A' Water Licence Amendment, Baffinland 2014 Construction Summary Report: Km106 Run of Mine Stockpile & Sedimentation Pond, Baffinland, 2020	140716 2AM-MRY1325 Attach 1 Supplementary Tech Info for Milne Port Part 1-IAAE.pdf; 201204 2AM-MRY1325 KM106 STOCKPILE and POND - CSR FINAL (13Dec20) 1OF3-ILAE	Section 1.5 All All			
		Mill or processing plant;	NA - No onsite milling	-	-	-			
		Tailings containment areas;	NA - No tailings facility	-	-	-	-		
		Laydown areas;	Y	Type 'A' Water Licence Amendment, Baffinland 2014 Modification Request No. 7 – 2018 Upgrades at the Mine Site and Milne Port, Baffinland 2018	140716 2AM-MRY1325 Attach 1 Supplementary Tech Info for Milne Port IAAE.pdf; 140716 2AM-MRY1325 Attach 3 Tech Info for changes at Mine Site IAAE.pdf 180308 2AM-MRY1325 Project Modification Request No7 Part 1of 6-IAAE	Attachment 1 (Milne Port); Attachment 3 (Mine); Section 3.1			
		Quarries;	Y	Borrow Pit and Quarry Management Plan, Baffinland 2014	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L7.pdf	Entire Document			
		Hazardous waste disposal area;	Y	Hazardous Materials and Hazardous Waste Management Plan, Baffinland 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L6.pdf	Section 5.5 and Appendix L6			
		Waste discharge distribution lines;	Y	Waste Management Plan, Baffinland 2023	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L5.pdf	Appendix L5			

4.0 Project Description Information Requirements

No.	Section	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'. If 'NA' provide justification.	Insert Title, Author and Date of Document where information is provided	Insert electronic file name of document where information is provided	Insert Section of document where information is provided	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.
1	Description of Undertaking	Fuel and chemical storage;	Y	Construction Summary Report: Mine Site Tank Farm & Dispensing Package, Hatch 2014 Milne Inlet Fuel Storage Facility Capacity Increase (Modification Request), Baffinland, 2017 Hazardous Materials and Hazardous Waste Management Plan, Baffinland 2024	150126 2AM-MRY1325 H349000 4613 50 124 0001 Part1-IAAE 170712 2AM-MRY1325 Milne Inlet Fuel Storage Facility Modification Request -IAAE 240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L6.pdf	All All Section 5.4 and Appendix L6			
		Explosives manufacturing and storage;	Y	Construction Summary Report: Explosives Facility Package, Hatch 2014 Hazardous Materials and Hazardous Waste Management Plan, Baffinland 2024	150213 2AM-MRY1325 H349000 4210 10 124 0001-IAAE 240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L6.pdf	All Section 4.1 and Appendix L6			
		Abandoned and/or restored facilities;	NA - No abandoned facilities are present	-	-	-			
		Existing on site infrastructure;	Y	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-E.pdf 240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-F.pdf	All			
		Others: (describe).	NA - All relevant information provided	-	-	-			
a	Mine Plan	Provide a Mine Plan Overview including:							
		Description of the location, physical nature, geology and mineralogy of the ore deposit and host rock. (See Section 5 Item 2);	Y	FEIS, Baffinland 2012	Volume 6.pdf	Section 2	-		
		Mine development plan and methods;	Y	FEIS, Baffinland 2012	Volume 3.pdf	Section 3.4			
		Exploration operations;	Y	2021 QIA and NWB Annual Report for Exploration and Geotechnical Activities, Baffinland 2021	2021-QIA-and-NWB-Annual-Report-for-Exploration-and-Geotechnical-Drilling-Activities.pdf	Entire Document			
		Description of earthworks for mine development;	Y	FEIS, Baffinland 2012; ERP FEIS Addendum, Baffinland 2013	Volume 3.pdf	Volume 3, Section 2.0 and 3.0			

4.0 Project Description Information Requirements

No.	Section	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'. If 'NA' provide justification.	Insert Title, Author and Date of Document where information is provided	Insert <u>electronic file name of document</u> where information is provided	Insert <u>Section of document</u> 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.
a	Mine Plan	Milling or processing plant operations including:							
		A copy of the mill or processing plant flow sheet. Indicate the points of addition of the various reagents (chemicals) that will be used;	NA - there is no milling or processing, only a simple crushing operation.	-	-	-			
		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;	The current rate of production is up to 6.0 Mtpa, the maximum approved production rate is 22.2 Mtpa.	-	-	-			
		Expected life of the mine;	Y	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-A.pdf	Box 24 in Appendix A			
		Camp and mine site population projections for each phase of the project.	Y	FEIS, Baffinland 2012; ERP FEIS Addendum, Baffinland 2013	Volume 3.pdf	Volume 3, Section 5.0			

5.0 Baseline Information Requirements

No.	Section	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'. If 'NA' provide justification.	Insert Title, Author and Date of Document where information is provided	Insert electronic file name of document where information is provided	Insert Section of document where information is provided	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.	
1	Environmental Setting	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	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-E.pdf; 240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-F1.pdf	Appendix E; Appendix F1				
		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.	NA - there is no prior mine development at the Project	-	-	-				
		Provide a description of the site conditions, including:								
		Location;	Y	FEIS, Baffinland 2012	Volume 3.pdf	Volume 3, Section 1				
		Topography;	Y		Volume 6.pdf	Volume 6, Section 2				
		Geologic conditions;	Y							
		Hydrologic characteristics;	Y		Volume 7.pdf					
		Climate conditions and predicted future climate trends;	Y	2023 NIRB Annual Report, Baffinland 2024; Baffinland's Climate Change Strategy, Stratos Inc., 2023	2023-NIRB-Annual-Report.pdf; Baffinland's Climate Change Strategy(Stratos).pdf	NIRB Annual Report, Section 4.6				
		Seismicity;	Y	FEIS, Baffinland 2012	Volume 6.pdf	Section 2				
		Permafrost conditions.	Y			Volume 6, Section 2				
		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.pdf Appendix 7A.pdf	Vol 7: Section 2.1; Appendix 7A: Section 2 and Figure 1.1				
		Provide a description of the groundwater regime.	Y	FEIS, Baffinland 2012	Volume 6.pdf	Section 2.1.5				
		Provide baseline data and an evaluation of baseline data describing surface and groundwater quality in the project area (physical, chemical, and biological characteristics).	Y	Appendix 7B-1: Surface Water and Sediment Quality Baseline Report, (KP, 2011) in FEIS, Baffinland 2012 Renewal Application, KP 2024	02-Appendix 7B-1 - Water Quality Baseline 2011.pdf 240626-2AM-MRY1325-WL-Renewal-Applic-1Application&Supporting-info.pdf	All Section 5.0				
		Provide a description of the usual break-up and freeze-up periods.	Y	FEIS, Baffinland 2012	Volume 7.pdf; Volume 8.pdf	Volume 7, Section 2 Volume 8, Section 2				
		Provide a description of streambed material, streambank material, and streambank vegetation for any streams affected by the application.	Y	Tote Road: Bulk Sampling Program - Fish Habitat No Net Loss and Monitoring Plan, KP 2007 Mine and railway: FEIS Appendix 7C, North/South Consultants Inc., 2011 FEIS Appendix 3B, Attachment 07 Water Crossings	2007 NNLP: different NIRB file 2011 Mine and Steensby rail: 01-Appendix 7C.pdf 010-Water Crossing Decision Tables.pdf	Appendices A, B and D All Attachment 07				
		Indicate the slope of the banks of any water course affected by the application.								
		Provide a description of the meander pattern for any channel affected by the application.								
		Provide the following streamflow data in cubic metres per second for each watercourse included in the application:								
		Mean annual flow;								
		Mean summer flow;								
		Minimum summer flow;								
		Minimum annual flow;								
		Mean annual flood;								
		Maximum summer flood;								
		Mean summer flood.								
		Provide bathymetric information for water bodies affected by the application.	Y	FEIS Appendix 3B, Attachment 07 Water Crossings	Appendix 7C.pdf	Figures 4.1-2, 4.1-4, 4.1-6, 5.4-2, 5.5-2, 6-5, 6-6, 8-4a, 8-4b; Appendix 5.1-4				

5.0 Baseline Information Requirements

No.	Section	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'. If 'NA' provide justification.	Insert <u>Title, Author and Date of Document</u> where information is provided	Insert <u>electronic file name of document</u> where information is provided	Insert <u>Section of document</u> 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.
1	Environmental Setting	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 results);							
		Interim and permanent waste rock facilities;	Y	FEIS, Baffinland 2012; Slope Stability Analysis for the Waste Rock Dump, Hatch 2012 (FEIS Appendix 3B, Attachment 04 Site Specific Documents, 003-Mary River Mine Site)	003-MA~1.pdf	Volume 6, Section 2.1.3 All			
		Tailings containment area;	NA - no tailings produced						
		Landfills;	Y	FEIS Volume 6, Baffinland 2012; Initial Geotechnical Recommendations - Rockfill Embankments and Overburden Cuts - Mary River Railway, Thurber Engineering (FEIS Appendix 3B, Attachment 04 Site Specific Documents, 005-Railway)	Volume 6.pdf E337697-2110-15-124-0002.pdf	Section 2.1.3 All			
		Landfills;							
		Fuel and chemical storage facilities;							
		Explosives management areas and facilities;							
		Roads;							
		Quarries and/or borrow pits;							
		Hazardous waste facilities;							
		Wastewater treatment facilities;							
		Ore stockpiles;							
		Overburden piles;							
		Dewatering dikes.	NA - no dewatering dykes						
		Provide results of any assessment of the permeability of any faults and taliks beneath water bodies.	NA - no project activities within waterbodies with taliks						
		Provide a description of the historical uses of the waters affected by the project.	Y	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-E.pdf	Appendix E			
		Provide a description of any traditional uses of water in the project area.	Y						
		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						
2	Geology and Mineralogy	Provide a description of the physical nature of the mineralization, including known dimensions and approximate shape.	Y	FEIS, Baffinland 2012	Volume 6.pdf	Section 2.1.2.2			
		Provide a description of the host rock in the general vicinity of the mineralization (from the surface to the mineralized zone).							
		Provide a geological description of the mineralized zone. (If possible, include the percentage of metals).							
		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 (i.e., static test, kinetic tests).	Y	Phase 1 Waste Rock Management Plan, Baffinland 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L12-1of5	Section 4, Appendix A1			
		Provide an estimate of the percentage of sulphide in the mineralization including:							
		Pyrite;							
		Pyrrhotite;							
		Pyrite / Pyrrhotite mixture;							
		Arsenopyrite.							

5.0 Baseline Information Requirements

No.	Section	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'. If 'NA' provide justification.	Insert <u>Title, Author and Date of Document</u> where information is provided	Insert <u>electronic file name of document</u> where information is provided	Insert <u>Section of document</u> 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.
2	Geology and Mineralogy	Provide a description of the geochemical tests which have been (or will be) performed on quarry 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 (i.e., static test, kinetic tests).	Y	FEIS Appendix 6B-2, AMEC Earth & Environmental, 2010 FEIS Appendix 6B-3, AMEC Earth & Environmental, 2010	03-Appendix 6B-2 - Tote Road Aggregate Sources Geochemistry.pdf, 04-Appendix 6B-3 - Railway Quarries Geochemistry.pdf.	All All			
3	Fisheries	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	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-1Application&Supporting-info.pdf	Section 4			
		If applicable, provide baseline data and an evaluation of baseline data describing fish and fish habitat in the project area.	Y	FEIS Appendix 7C: Freshwater Aquatic Biota and Habitat Baseline Synthesis Report 2005-2011, North/South 2012;	01-Appendix 7C Freshwater Aquatic Habitat and Fish Baseline Report.pdf;	All All			
		If applicable, provide a fisheries assessment including:							
		Detailed area description (including photographic record);							
		Description of fish habitat (including river or lake bottom substrates such as silt, sand, or cobble);							
		Presence of sensitive habitats (spawning, migration corridors etc.);							
		Description of aquatic and riparian vegetation;							
		Fish community and life stage present;							
		Depth and width of watercourse;							
		Max/min water flows, currents, tides;							
Turbidity and sediment loads (total suspended solids);									
Sport, commercial, subsistence fishery present.									
4	Studies	Provide a list of baseline studies, reports and plans relevant to the application that have been undertaken to date taking into consideration the following:	Y	The following documents available on the public registry contain the relevant studies, reports and plans: FEIS including water licence application in Appendix 3B, Baffinland 2012 ERP FEIS Addendum, Baffinland 2013; Water licence amendment application, Baffinland 2014; QIA/NWB annual reports for operations from 2013 to 2023 These documents are available on the NWB's Public Registry					
		Geotechnical studies;							
		Geochemical studies;							
		Water quality studies;							
		Hydrological and hydrogeological studies;							
		Traditional use studies;							
		Aquatic studies;							
		Meteorological studies							

6.0 Water Use Information Requirements

No.	Section	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'. If 'NA' provide justification.	Insert Title, Author and Date of Document where information is provided	Insert electronic file name of document where information is provided	Insert Section of document where information is provided	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.
1	Water Use	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	Fresh Water Supply, Sewage, and Wastewater Management Plan, Baffinland 2023	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L4.pdf	Various sections			
		Obtain water for domestic purposes;							
		Obtain water for industrial purposes;							
		Drilling;							
		Mill or processing plant;							
		Concrete production;							
		Explosives manufacture;							
		Ice road construction;							
		Other: (describe).							
		To cross a water course;							
		To alter the flow of water, or store water;							
		Flood control;							
2 a	Water Use: Quality and Quantity Water Intake **Identify uses as either domestic or industrial**	To divert a watercourse;	Y	FEIS, Baffinland 2012; ERP FEIS, Baffinland 2013 Long-Term Mine Site Water Management Plan, KP 2021	Volume 7.pdf	Sections 2.2.3 and 2.3			
		To modify the bed or bank of a watercourse;	Y						
		Others: (describe).	NA - no other water uses contemplated						
		Provide the name of the primary water source(s) as well as the name of any alternative water source(s).	Y	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-1Application&Supporting-info.pdf	Section 5			
		Provide a description of the source(s) of water and the location of the water source(s) as shown on a map.	Y						
		Indicate the type of water source(s) as lake, river, well, or other type.	Y						
		Provide a description of the quality of the water from the source(s) for each season (summer, fall, winter, spring).	Y						
		Provide the capacity of the water source(s).	Y						
		Provide the acquisition rate in cubic metres per day and cubic metres per year from each water source.	Y						
		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						
		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 - Satisfactory						

6.0 Water Use Information Requirements

No.	Section	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'. If 'NA' provide justification.	Insert <u>Title, Author and Date of Document</u> where information is provided	Insert <u>electronic file name of document</u> where information is provided	Insert <u>Section of document</u> 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.
2 a	Water Use: Quality and Quantity Water Intake **Identify uses as either domestic or industrial**	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	FEIS, Baffinland 2012; ERP FEIS, Baffinland 2013 Hydrology Assessment of Water Sources for Dust Suppression along the Tote Road - Mary River Project - Early Revenue Phase, KP 2014	Volume 7.pdf 140716 2AM-MRY1325 Attach 2 Addi water withdrawal locations and water qualities along tote road-IAAE	Sections 2.2.3 and 2.3 (Vol 7 of FEIS and ERP FEIS Addendum) All (KP memo)			
		Indicate the amount of water to be returned to the source.							
2 a	Water Use: Quality and Quantity Water Intake **Identify uses as either domestic or industrial**	Provide a description of the methods to ensure water returned to any source is of an acceptable quality.	NA - no water will be returned to the source	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-A.pdf	Box 13 of Appendix A			
		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.	NA - No hydrostatic testing of tanks, other methods will be utilized	-	-	-			
		Indicate the quantities of water required for ice road construction and provide a description of the methods of ice road construction.	NA - not in the scope of the licence	-	-	-			
		Provide a description of any measures to reduce water consumption.	Y	Fresh Water Supply, Sewage, and Wastewater Management Plan, Baffinland, 2023	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L4.pdf	Section 4.1.1.5			
b	Water Storage	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.	NA - No reservoir for water storage						
		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.							
		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.							
		Provide a plan showing representative cross sections of the reservoir.							
		Provide a description of the general condition of any existing water storage facility and provide an explanation if it is unsatisfactory.							

6.0 Water Use Information Requirements

No.	Section	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'. If 'NA' provide justification.	Insert <u>Title, Author and Date of Document</u> where information is provided	Insert <u>electronic file name of document</u> where information is provided	Insert <u>Section of document</u> 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.
c	Water Distribution	Provide a description of water distribution systems (i.e.. piped water, trucked).	Y	Fresh Water Supply, Sewage, and Wastewater Management Plan, Baffinland 2023	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L4.pdf	Section 4			
		Provide a description of the general condition of any existing water distribution system and provide an explanation if it is unsatisfactory.	Y - Satisfactory	2023 Crown-Indigenous Relations and Northern Affairs Canada Inspections, CIRNAC 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-K1.pdf	Appendix K1, Pages K1-27, K1-30, K1-09, K1-39, K1-97			
d	Watercourse Crossings	Provide a description of any watercourse crossings including pipelines, bridges, culverts or roads and its purpose.	Y	Type A Water Licence Application, Hatch 2012; Long-Term Mine Site Water Management Plan, KP 2021; Permanent Crossing Plan - Round CSP Culverts, KP 2024	In Vol 3, Appendix 3B: 05. Attachment 3 - Project Wide Documents;	Volume 3, Appendix 3B, Attachment 7 - Water Crossings; Appendix 3E - Railway Alignment Drawings Water Management Plan: All Permanent Crossing Plan: All			
		Provide a plan of any watercourse crossing showing cross section and elevations.	Y		06. Attachment 4 - Site Specific Documents; 11. Attachment 9 - Drawings; 210630 2AM-MRY1325-Water Management Plan-IAAE.pdf; 240223 2AM-MRY1325 Report 4 Rev 2 - Tote Road Permanent Crossing Plan - Round CSP Culvert Installations-ILAE				
e	Watercourse Trainings	Provide a description of any watercourse trainings including channel and bank alterations, culverts, spurs, erosion control, and artificial accretion, and its purpose.	Y						
f	Flood Control	Provide a description of any flood control structures and its purpose.	NA - no flood control structures	-	-	-			
g	Diversions	Provide a description of any diversions including ditches and dikes and its purpose.	Y	Construction Summary Report: Mine Site Water System, Hatch 2014; Long-Term Mine Site Water Management Plan, KP 2021; Camp Lake Area Water Management Design Brief and Issued for Construction Drawings, KP 2022	150203 2AM-MRY1325 H349000 4720 50 124 0002 Part1-IAAE.pdf; 210630 2AM-MRY1325-Water Management Plan-IAAE.pdf; 210630 2AM-MRY1325-KM105 Pond Design and IFC-IAAE.pdf; 220715 2AM-MRY1525 Attachment 1 - Camp Lake Design Brief and IFC Drawings-IAAE.pdf	All			
h	Alterations in flow	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.							
		Indicate whether the natural storage capacity or water level of any lake or pond will be altered.							
		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.							

6.0 Water Use Information Requirements

No.	Section	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'. If 'NA' provide justification.	Insert <u>Title, Author and Date of Document</u> where information is provided	Insert <u>electronic file name of document</u> where information is provided	Insert <u>Section of document</u> 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.
i	Dewatering	Provide a description of dewatering programs, if planned, including estimated quantities, qualities, dewatering flow rates, methods and schedule of withdrawal, end use or discharge location.	NA - No dewatering necessary. Precipitation into the mining area is minimal, and collected in a sump and pumped to the waste rock facility pond.	-	-	-			
		Provide an estimate of the quality and flow of groundwater that will flow into any open pits.	NA - there is no groundwater inflow into the open pit	-	-	-			
j	Identification	Indicate whether there are any signs identifying past or present water intake, storage, distribution systems and/or waterwork structures presently in the project area.	NA - There are no historical features on the site	-	-	-			
k	Modifications	Indicate whether any changes are planned for the water intake, storage, distribution systems and/or waterwork structures. If applicable, see Item 2 (l) of this Section.	NA - No changes planned	-	-	-			
l	Proposed Water Works	<p>For each water work component provide the design plans stamped for construction. Design plans shall consider the following:</p> <p>Name of the water body(s) affected;</p> <p>Site photos, site map, or air photos of the location;</p> <p>Description of the existing condition of the site (see Section 5);</p> <p>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;</p> <p>The design flood flow in cubic metres per second and its return period for the type of structure proposed;</p> <p>An explanation of the rationale for the selected design flow flood and its return period;</p> <p>Design drawings in plan and profile, drawn to scale, including all relevant dimensions;</p> <p>Details of design parameters including seismic design criteria if applicable;</p> <p>In water work timing restriction for fisheries;</p> <p>Construction schedule and sequence taking into account any timing restrictions;</p> <p>Construction methods and equipment to be used;</p> <p>A description of the source, type, and composition of material used in construction;</p> <p>The quantity of material to be either placed into or removed from the watercourse;</p> <p>Sedimentation and erosion control measures;</p> <p>Construction monitoring plans;</p> <p>Construction quality assurance and quality control measures;</p> <p>Assessment of impacts to fish and fish habitat (see Item 3 (a) of this Section);</p> <p>Bank stabilization measures (including the size range of material if applicable);</p>	Y	Construction Summary Report: Mine Site Water System, Hatch 2014; Long-Term Mine Site Water Management Plan, KP 2021; Camp Lake Area Water Management Design Brief and Issued for Construction Drawings, KP 2022	150203 2AM-MRY1325 H349000 4720 50 124 0002 Part1-IAAE.pdf; 210630 2AM-MRY1325-Water Management Plan-IAAE.pdf; 210630 2AM-MRY1325-KM105 Pond Design and IFC-IAAE.pdf; 220715 2AM-MRY1525 Attachment 1 - Camp Lake Design Brief and IFC Drawings-IAAE.pdf	All	-		

6.0 Water Use Information Requirements

No.	Section	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'. If 'NA' provide justification.	Insert <u>Title, Author and Date of Document</u> where information is provided	Insert <u>electronic file name of document</u> where information is provided	Insert <u>Section of document</u> 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.
1	Proposed Water Works	<p>Operation and maintenance plans including instrumentation, monitoring and inspection requirements;</p> <p>Contingency plans;</p> <p>Re-vegetation plans;</p> <p>Abandonment and restoration plans (see Item 21 of Section 3).</p> <p>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).</p> <p>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.</p> <p>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.</p>	Y	Construction Summary Report: Mine Site Water System, Hatch 2014; Long-Term Mine Site Water Management Plan, KP 2021; Camp Lake Area Water Management Design Brief and Issued for Construction Drawings, KP 2022	150203 2AM-MRY1325 H349000 4720 50 124 0002 Part1-IAAE.pdf; 210630 2AM-MRY1325- Water Management Plan- IAAE.pdf; 210630 2AM-MRY1325- KM105 Pond Design and IFCS-IAAE.pdf; 220715 2AM-MRY1525 Attachment 1 - Camp Lake Design Brief and IFC Drawings-IAAE.pdf	All			
3	Predicted Environmental Effects and Proposed Mitigation Measures	<p>Provide a description of the effects of water usage on the source from which water will be drawn including the potential for drawdown.</p> <p>Provide a description of any expected changes in surface water flow or storage including changes downstream of the project.</p> <p>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.</p> <p>If the course of any channel is changed, provide a description of measures to maintain stream bed and bank stability.</p> <p>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).</p> <p>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).</p>	Y	FEIS, Baffinland 2012; ERP FEIS, Baffinland 2013 Hydrology Assessment of Water Sources for Dust Suppression along the Tote Road - Mary River Project - Early Revenue Phase, KP 2014	Volume 7.pdf 140716 2AM-MRY1325 Attach 2 Addi water withdrawal locations and water qualities along tote road-IAAE	Sections 2.2.3 and 2.3 (Vol 7 of FEIS and ERP FEIS Addendum) All (KP memo)			
			Y	Tote Road Permanent Crossing Plan - Round CSP Culvert Installations, KP 2024	240223 2AM-MRY1325 Report 4 Rev 2 - Tote Road Permanent Crossing Plan - Round CSP Culvert Installations- ILAE	Drawings 720 and			
			Y	Surface Water and Aquatic Ecosystem Management Plan, Baffinland 2021	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L3.pdf	Section 6			
			Y	Waste Management Plan, Baffinland 2023	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L5.pdf	Section 4.7			

6.0 Water Use Information Requirements

No.	Section	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'. If 'NA' provide justification.	Insert Title, Author and Date of Document where information is provided	Insert electronic file name of document where information is provided	Insert Section of document where information is provided	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.
a	Fisheries	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	FEIS, Baffinland 2012; Surface Water and Aquatic Ecosystem Management Plan, Baffinland 2021	Volume 7.pdf; Volume 10.pdf; 240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L3.pdf	Volume 7, Section 4.0; Volume 10, Appendix 10D-7 Fish Habitat Compensation, Section 3.5			
		Potential effects on fish or fish habitat;							
		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 physical impacts on habitat;							
		Measures to maintain flows and fish passage;							
		Measures to avoid sedimentation;							
		Measures to avoid spills;							
		Detailed habitat no-net-loss plan and site restoration plan.							
4	Studies	Provide a list of studies, reports and plans relevant to the application that have been undertaken to date, taking into consideration the following:							
		Options analysis;	Y	FEIS, Baffinland 2012 ERP FEIS Addendum, Baffinland 2013	Volume 3.pdf	Section 6			
		Water management plan including water balance analysis;		Long-Term Mine Site Water Management Plan, KP 2021 Phase 1 Waste Rock Management Plan, Baffinland 2024	210630 2AM-MRY1325-Water Management Plan-IAAE.pdf; 240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L12-1of5.pdf	All; Appendix A3 of Appendix A			
		Fisheries assessment;		FEIS, Baffinland 2012	01-Appendix 7C Freshwater Aquatic Habitat and Fish Baseline Report	All			
		Construction plan and construction schedule for water works;	NA - no specific schedule for water works	-	-	-			
		Implementation schedule for construction of works;	Y	Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-A.pdf	Box 24 of Appendix A			
		Construction quality assurance and quality control plans;	Y	Sampling Program QA/QC Plan, Baffinland 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L11.pdf	All			
		Operation and maintenance plan;	Y	Fresh Water Supply, Sewage, and Wastewater Management Plan, Baffinland 2023	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L4.pdf	Appendices E, G and H			
		Preliminary abandonment and reclamation plans for existing and proposed facilities;	Y	Interim Mine Closure and Reclamation Plan, Baffinland 2018	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L10.pdf	Appendix L10			
		Final abandonment and reclamation plans for facilities to be closed;							
		Monitoring plans (See Section 8).	Y	Aquatic Effects Monitoring Plan, Baffinland 2023	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L8.pdf	All			

7.0 Waste Disposal Information Requirements

No.	Section	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'. If 'NA' provide justification.	Insert Title, Author and Date of Document where information is provided	Insert electronic file name of document where information is provided	Insert Section of document where information is provided	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.
1	Waste Disposal	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 <i>Guide 2: Terminology and Definitions</i>)	Y	Fresh Water Supply, Sewage, and Wastewater Management Plan, Baffinland 2023; Waste Management Plan, Baffinland 2023; Hazardous Materials and Hazardous Waste Management Plan, Baffinland 2024; Spill Contingency Plan, Baffinland 2021	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L4.pdf; 240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L5.pdf; 240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L6.pdf; 240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L2.pdf				
		Sewage;	Y			Appendix L4, Section 5			
		Grey water;	Y			Appendix L4, Section 5; Appendix L5, Appendix B			
		Solid waste;	Y			Appendix L4, Section 5; Appendix L6, Section 4.2			
		Sludge;	Y			Appendix L4, Section 6; Appendix L6			
		Hazardous waste including waste oil;	Y			Appendix L6, Section 4.4; Appendix L2, Section 6.1			
		Contaminated soil, snow, ice and/or water;	Y			Appendix L5			
		Bulky items/ scrap metal;	Y			-			
		Mill or processing plant waste;	NA - no milling on site			Appendix L4, Section 7			
		Mine water;	Y			-			
		Dredged material;	NA - there is not dredged material requiring disposal.	-	-	-			
		Discharge from dewatered areas;	NA - no dewatered areas	-	-	-			
2	Waste Disposal: Quality and Quantity	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	Waste Management Plan, Baffinland 2023; Application for Water Licence Renewal, NWB 2013	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-A.pdf; 240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L5.pdf	Section 4 in Appendix L5; Box 15 in Appendix A			
		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						
		Provide a description of any measures to minimize the production of wastes.	Y						
a	Identification	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.	Y - all waste facilities have signage	-	-	-			
b	Modifications	Indicate whether any changes are planned for the wastewater, solid waste, or any other waste facilities. If applicable, see Item 2 (c) of this Section.	NA - No changes proposed	-	-	-			
c	Proposed waste facilities	For each proposed waste facility provide design plans. The designs shall consider the following:	NA - No new waste facilities proposed	-	-	-			
		Site photos, site map, or air photos of the site;							
		Description of the existing condition of the site (see Section 5);							

7.0 Waste Disposal Information Requirements

No.	Section	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'. If 'NA' provide justification.	Insert Title, Author and Date of Document where information is provided	Insert electronic file name of document where information is provided	Insert Section of document where information is provided	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.
c	Proposed waste facilities	<p>A description of the types of waste entering the facility (if applicable, provide a description of the source, type, and quantity of the waste);</p> <p>The concentration of waste entering the facility;</p> <p>The geochemical characterization of waste entering the facility, where applicable (ie. tailings solids);</p> <p>Distance of the facility from watercourses and fish bearing waters;</p> <p>All sources of seepage encountered near watercourse and fish bearing waters as well as the volumes (m3/day) and direction of any seepage;</p> <p>Existing and proposed drainage modifications;</p> <p>Details of retaining structures;</p> <p>Level of treatment (primary, secondary or tertiary);</p> <p>By products of treatment which may require further treatment, characterization, handling and disposal;</p> <p>Capacity and retention time of the facility;</p> <p>Identification of final discharge point (last point of control);</p> <p>Method and type of discharge (seasonal, annual, continuous) including details of all decant, siphon mechanisms etc.;</p> <p>Estimated rates for discharge;</p> <p>Restrictions on discharge;</p> <p>Discharge effluent criteria proposed;</p> <p>Receiving water quality objectives;</p> <p>Capacity of the receiving environment;</p> <p>Details regarding direction and path of wastewater flow from the area or infrastructure;</p> <p>Design drawings in plan and profile, drawn to scale, including all relevant dimensions;</p> <p>Details of design parameters including seismic design if applicable;</p> <p>Construction schedule and sequence taking into account any timing restrictions;</p> <p>Construction methods and equipment to be used;</p> <p>A description of the source, type, and composition of the material to be used in construction;</p> <p>Construction monitoring plans;</p> <p>Construction quality assurance and quality control measures;</p> <p>Operation and maintenance plans;</p> <p>Contingency plans;</p> <p>Abandonment and restoration plans (see Item 21 of Section 3).</p> <p>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).</p> <p>Provide an assessment of alternatives for any proposed tailings containment facility.</p>							
			NA - No tailings produced	-	-	-			

7.0 Waste Disposal Information Requirements

No.	Section	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'. If 'NA' provide justification.	Insert Title, Author and Date of Document where information is provided	Insert electronic file name of document where information is provided	Insert Section of document where information is provided	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.
c	Proposed waste facilities	Provide a description of the general condition of any existing waste facilities and provide an explanation if it is unsatisfactory.	Y - Satisfactory						
2	Predicted Environmental Effects and Proposed Mitigation Measures	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	Fresh Water Supply, Sewage, and Wastewater Management Plan, Baffinland 2023; Waste Management Plan, Baffinland 2023;	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L4.pdf; 240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L5.pdf;	Appendix L4, Sections 5, 6, 7, 8; Appendix L5, Section 4.9			
		Clearly outline proposed discharge criteria, how the criteria were developed, standards to be applied, and how these criteria will be used to prevent ecological effects in the receiving environment.	Y						
		If waste is expected to infiltrate into the ground, provide a description of the sub-surface soil compositions and provide information on groundwater elevations for the project area. Also provide the proximity between the proposed waste disposal system and the groundwater elevation.	NA - Waste is not expected to infiltrate into the ground	-	-	-			
		Provide a discussion of the consequences of long-term stratification in any pit lakes and associated contingency plans.	NA - No pit lakes	Interim Closure and Reclamation Plan, Baffinland, 2018	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L10.pdf	Section 5.2.1			
		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, Baffinland, 2021	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L3.pdf	Section 6.2			
a	Operations and Maintenance	Provide operation and maintenance plans for any tailings containment areas.	NA - No tailings produced	-	-	-			
		If the project includes sewage and/or solid waste disposal, provide a separate stand alone 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" as well as the "Guidelines for the Planning, Design, Operations and Maintenance of Modified Solid Waste Sites in the Northwest Territories, 2003". This Manual must address sewage disposal facilities, solid waste disposal facilities, landfill facilities, any other waste disposal facilities, sludge management, and water supply facilities. The electronic version of the plan must be less than 3MB and named accordingly. Please see the NWB's Guide 6: Electronic Documentation - Submissions and Registry for more information.	Y	Fresh Water Supply, Sewage, and Wastewater Management Plan, Baffinland, 2023	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L4.pdf	Appendix L4, Appendix E			

7.0 Waste Disposal Information Requirements

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b	Hazardous Materials	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	Hazardous Materials and Hazardous Waste Management Plan, Baffinland 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L6.pdf	Appendix L6, Section 5			
		Provide details regarding the handling and storage of hazardous or potentially hazardous materials.	Y			Appendix L6, Section 5.4			
c	Emergency Response and Spill Contingency	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	Spill Contingency Plan Baffinland 2021	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L2.pdf	Appendix L2, Section 8			
		Provide a separate stand alone 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	Emergency Response Plan, Baffinland 2020	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L1.pdf	Entire document			
		The electronic version of the plan must be less than 3MB and named accordingly. Please see the NWB's Guide 6: Electronic Documentation - Submissions and Registry for more information.							
		The ERSCP shall address phases of the project including construction, operation, and care & maintenance.	Y	Same as above	Same as above	Same as above			
		Provide an explanation of how the applicant will ensure project contractors meet the applicant's due diligence standards with respect to oil and hazardous material spill prevention, preparedness, response, and restoration.	Y	FEIS, Baffinland 2012	Volume 10.pdf; See all folders in Volume 10, Appendices; see folders in Volume 3, Appendix 3B: 07. Attachment 5 - Management Plans, 08. Attachment 6 - Quarries, 10. Attachment 8 - Explosive	Volume 10, All Sections. Volume 10, Appendices; Volume 3, Appendix 3B, Attachment 5 - all; Attachment 6 - Quarries (all); Attachment 8 - Explosives (all)			
4	Studies	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;		FEIS, Baffinland 2012	Volume 3.pdf	Section 6			
		Geotechnical and geothermal assessment;		Thermal Model and Assessment of Conceptual Summer Deposition Strategies for the Waste Rock Storage Facility at Mary River Mine, WSP Canada Inc. 2024	Appendix L12 - Ph1 Waste Rock Management Plan 4of5.pdf	Appendix A2			

7.0 Waste Disposal Information Requirements

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4	Studies	Water quality modeling;		2023 Water Quality Model Update, Waste Rock Facility, WSP 2023	Appendix L12 - Ph1 Waste Rock Management Plan 5of5.pdf	Appendix A4			
		Snow drift assessments;	NA	-	-	-			
		Permafrost protection;	NA	-	-	-			
		Mine waste and water management;		Phase 1 Waste Rock Management Plan, Baffinland 2024; Long-Term Mine Site Water Management Plan, KP 2021	Appendix L12 - Ph1 Waste Rock Management Plan 1of5.pdf; 210630 2AM-MRY1325-Water Management Plan-IAAE.pdf	-			
		Landfill management;	Y	Waste Management Plan, Baffinland 2023; Landfill Maintenance and Operation Manual, Baffinland 2015;	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L5.pdf; 240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L14.pdf;	Section 4.7			
		Landfarm management;	Y	Landfarm Operation, Maintenance and Monitoring Manual, Baffinland 2015	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L15.pdf	Section 4.9			
		Quarry Management;	Y	Borrow Pit and Quarry Management Plan, Baffinland 2014	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L7.pdf	-			
		Incineration management;	Y	Waste Management Plan, Baffinland 2023	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L5.pdf	Section 4.5			
		Hazardous waste management;	Y	Hazardous Materials and Hazardous Waste Management Plan, Baffinland 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L6.pdf	-			
		Operation and maintenance plan;	Y	Landfill Maintenance and Operation Manual, Baffinland 2015 Landfarm Operation, Maintenance and Monitoring Manual, Baffinland 2015	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L14.pdf; 240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L15.pdf	-			
		Inspection plan (see Section 8);	Y	Environmental Protection Plan, Baffinland 2021	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L9.pdf	-			
		Tailings monitoring (see Section 8);	NA - No tailings produced						
		Mine site water quality monitoring (see Section 8);	Y - water licence SNP	see QIA/NWB annual reports for operations	-	-			
		Receiving water quality monitoring (see Section 8);	Y	Aquatic Effects Monitoring Plan, Baffinland 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L8.pdf	-			
		Aquatic effects monitoring (see Section 8);	Y	Aquatic Effects Monitoring Plan, Baffinland 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L8.pdf	-			

7.0 Waste Disposal Information Requirements

No.	Section	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA ' . If 'NA' provide justification.	Insert <u>Title, Author and Date of Document</u> where information is provided	Insert <u>electronic file name of document</u> where information is provided	Insert <u>Section of document</u> 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.
4	Studies	Geotechnical and structural monitoring (see Section 8);	Y	see annual geotechnical inspections in each QIA/NWB annual report for operations	-	-			
		Quality assurance and quality control plan (see Section 8);	Y	Sampling Program QA/QC Plan, Baffinland 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L11.pdf	-			
		Spill contingency and emergency response plans;	Y	Spill Contingency Plan, Baffinland 2021 Emergency Response Plan, Baffinland 2020	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L2.pdf 240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L1.pdf	-			
		Preliminary abandonment and reclamation plans for existing and proposed facilities;	Y	Interim Mine Closure and Reclamation Plan, Baffinland 2018	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L10.pdf	-			
		Final abandonment and reclamation plans for facilities to be closed;							
		Remediation plans for waste disposal infrastructure;							
		Human health and ecological risk assessment for establishment of remediation objectives for closure;							
		Construction plan and construction schedule for waste management infrastructure;	NA - planned waste management infrastructure has been constructed			-			
		Implementation schedule for construction of works, submission of studies and mitigation plans for operations and closure.	NA - planned waste management infrastructure has been constructed			-			

8.0 Monitoring Information Requirements

No.	Section	Information Requirement	Indicate whether Information Requirement is applicable by inserting 'Y' or 'NA'. If 'NA' provide justification.	Insert Title, Author and Date of Document where information is provided	Insert electronic file name of document where information is provided	Insert Section of document where information is provided	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.
1	Monitoring Plan	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	Fresh Water Supply, Sewage, and Wastewater Management Plan, Baffinland, 2023; Waste Management Plan, Baffinland, 2023; Hazardous Waste Management Plan, Baffinland, 2024; Interim Closure and Reclamation Plan, Baffinland, 2018; Sampling Program QA/QC Plan, Baffinland 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L4.pdf; 240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L5.pdf; 240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L6.pdf; 240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L10.pdf; 240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L11.pdf	Appendix L4, Section 11; Appendix L5, Section 5; Appendix L6, Section 6; Appendix L10, Sections 7.2, 7.3, 9.4, 9.5, 9.7, 9.8, 9.11 Appendix L11, All			
		Indicate who is responsible for sampling including that person's position, contact information and level of training.	Y	Connor Devereaux Position: Environmental Manager Contact Information: Ext. 6736, Phone #: 647-253-0596 Level of Training: 10 Years of Experience, University Degree Ultimate responsibility for sampling					
		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	-			
		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.	Y	Aquatic Effects Monitoring Plan, Baffinland 2024 Appendix F1 of Renewal Application, KP 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L8.pdf; 240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-F1.pdf	Entire Document			
		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.	Y	Aquatic Effects Monitoring Plan, Baffinland 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L8.pdf	Tables 3.1, 3.2, 3.3			
		Provide a monitoring plan for incinerator emissions (including, but not limited to, stack testing and annual reporting).	Y	Waste Management Plan, Baffinland 2023	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L5.pdf	Appendix L5, Section 4.5			
a	Inspection Plan	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, 2021; Interim Closure and Reclamation Plan, Baffinland 2018	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L9.pdf; 240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L10.pdf	Appendix L9, Section 4.32; Appendix L10, Section 7.1.9, 7.2.9, 9.4.2, 9.9			
b	QA/QC Plan	Provide a Quality Assurance/ Quality Control (QA/QC) Plan that addresses both field sampling and laboratory analyses.	Y	Sampling Program QA/QC Plan, Baffinland 2024	240626-2AM-MRY1325-WL-Renewal-Applic-Appendix-L11.pdf	Entire document			