



Application for Water Licence Amendment

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DOCUMENT MANAGEMENT

Original Document Date: April 2010

DOCUMENT AMENDMENTS

	Description	Date
(1)	Updated for public distribution as separate document from NWB Guide 7	June 2010
(2)	Updated NWB logos and reformatted table to allow rows to break across page	May 2011
(3)	New NWB logo; request for background information; and change to Block 24	April 2013
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
(10)		



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APPLICATION FOR WATER LICENCE AMENDMENT

The applicant is referred to the NWB's Guide 7: *Licensee Requirements Following the Issuance of a Water Licence* for more information about this application form.

Where possible, provide background information regarding the original licence application or attach previously submitted information.

EXISTING LICENCE NO: 2AM-MRY1325

1. LICENSEE CONTACT INFORMATION

Is the licensee the same as that referred to on the existing licence?

☒ Yes ☐ No

If No, a licence assignment must be completed and approved by the NWB. **An amendment will only be issued in the name of the current licensee in the absence of assignment of the licence.**

If the licensee is the same, but the name of the licensee has changed, attach a certificate of name change.

Name:

Address:

Phone: _____

Fax: _____

e-mail: _____

2. LICENSEE REPRESENTATIVE CONTACT INFORMATION – If different from Block 1.

Name:

Address:

Phone: _____

Fax: _____

e-mail: _____

(Attach authorization letter.)

3. NAME OF PROJECT

Has the name of the project changed?

☐ Yes ☒ No

If Yes, indicate the name of the project including the name of the location: _____

4. LOCATION OF UNDERTAKING

Does the proposed amendment change the location of the amended undertaking?

☐ Yes ☒ No

Provide the project extents and camp locations. Identify proposed changes.

Project Extents – SAME PROJECT LOCATION

NW: Latitude: (° ' " N)	Longitude: (° ' " W)
NE: Latitude: (° ' " N)	Longitude: (° ' " W)
SE: Latitude: (° ' " N)	Longitude: (° ' " W)
SW: Latitude: (° ' " N)	Longitude: (° ' " W)

Camp Location(s) – NO CHANGES TO CAMP LOCATIONS

Latitude: (° ' " N) Longitude: (° ' " W)

5. MAP

Does the proposed amendment change the locations of any of the main components of the undertaking?

☐ Yes ☒ No

Attach a topographical map, indicating the main components of the undertaking. Identify proposed changes.

NTS Map Sheet No.: _____ Map Name: _____ Map Scale: _____

The Milne Port Accommodation Infrastructure will be expanded to accommodate additional beds. For the proposed location for the expanded accommodation, please refer to Figure 1-2.2 in the addendum to FEIS where the accommodation building is labeled "Camp Infrastructure". Water withdrawal will be from Philips Creek and KM32 Lake as previously identified and approved in the existing 2AM-MRY1325 Licence.

6. NATURE OF INTEREST IN THE LAND

Does the proposed amendment change the nature of the interest in the land?

☐ Yes ☒ No

If Yes, indicate changes. _____

Check any of the following that are applicable to the proposed undertaking (at least one box under the 'Surface' header must be checked).

Sub-surface

X Mineral Lease from Nunavut Tunngavik Incorporated (NTI) Leases Exploration Subareas A, B, C

Date (expected date) of issuance: 2008 Date of expiry: 2017

X Mineral Lease from Indian and Northern Affairs Canada (INAC) 2483, 2484 and 2485

Date (expected date) of issuance: 1992 Date of expiry: 2034

Surface

X Crown Lease (47H16-1-2) Land Use Authorization from Indian and Northern Affairs Canada (INAC) Date of issuance: July 1st, 2014 Date of expiry: June 30, 2035

Land Use Permit (LUP) N2014Q0016 - expires June 30, 2016

Land Use Permit (LUP) N2014X0012 - expires June 30, 2016

Land Use Permit (LUP) N2014C0013 - expires June 30, 2016

Quarry Permit 2014QP0023

☐ Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA)

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

☐ IOL Authorization from Kivalliq Inuit Association (KivIA)

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

X IOL Authorization from Qikiqtani Inuit Association (QIA)

Date (expected date) of issuance: 09/06/2013 Date of expiry: December 2043

COMMERCIAL LEASE Q13C301

☐ Commissioner's Land Use Authorization

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

☐ Other _____

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

Is the name of the entity(s) holding authorizations the same as that considered in the existing water licence?

☒ Yes ☐ No

If No, a licence assignment must be completed and approved by the NWB.

Name of entity(s) holding authorizations: _____

7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION

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

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

Does the proposed amendment change the land use planning area?

- ☐ Yes ☒ No

If yes, indicate the land use planning area in which the amended undertaking is located.

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

Was a land use plan conformity determination required from NPC prior to the issuance of the existing water licence?

- ☒ Yes ☐ No

If Yes, indicate date issued and attach copy. **NIRB File No. 07EN012 – On January 22, 2007.**

Does the proposed amendment change the original NPC conformity determination or the need to obtain one?

- ☐ Yes ☒ No

If Yes, indicate date issued (or expected) and attach a copy. _____
If No, provide written confirmation from NPC confirming that a land use plan conformity review is not required.

8. NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION

Was a screening determination required from NIRB prior to the issuance of the existing water licence?

- ☒ Yes ☐ No

If Yes, indicate date issued and attach copy. **NIRB File No. 08MN053 – On April 30, 2008.**

Does the proposed amendment change the original NIRB screening determination or the need to obtain one?

- ☐ Yes ☒ No

If Yes, indicate date issued (or expected) and attach a copy. _____
If No, provide written confirmation from NIRB confirming that a screening determination is not required.

A NIRB screening determination is subject to NIRB review of the project proposal. The NIRB will commence their review once the NPC has provided a conformity determination on the Phase 2 Project Description. Please refer to NIRB correspondence dated October 31, 2014.

9. DESCRIPTION OF UNDERTAKING

Does the proposed amendment change the description of the undertaking?

☐ Yes ☒ No

List and attach plans and drawings or project proposal. Identify proposed changes.

No additional water source location or discharge location is required. The amendment requires additional water use and additional fuel storage capacity. An additional 100 m³/day of water will be required. The water will be sourced from Philips Creek and KM32 Lake as identified and approved in the existing 2AM-MRY1325 Licence. The existing water treatment facilities and discharge location at Milne Port will be utilized as per the existing licence.

Increase fuel storage will be accommodated in the existing and expanded lined fuel tank farm at Milne Port. Additional capacity will include 2 x 10 ML tanks of marine diesel, 3 x 10 ML tanks of arctic diesel, and a 4.5 ML tank of Jet A.

10. OPTIONS

Does the proposed amendment change any of the alternative methods and locations that were considered to carry out the project?

☐ Yes ☒ No

Provide a brief explanation of the alternative methods or locations that were considered to carry out the project. Identify proposed changes.

The amendment is proposed to utilize the existing draw points for water that are currently approved under licence 2AM-MRY1325. These two previously approved water sources are preferred from an environmental and hydrological standpoint. With regards to fuel storage, utilizing the existing tank farm is preferred and only requires an expansion of the lined perimeter. From an economic, safety and environmental standpoint, utilizing the existing and expanded location for additional proposed fuel storage is the preferred alternative, as opposed to building a separate fuel containment area outside of the Potential Development Area which has limitations from an economic, safety and environmental standpoint.

11. CLASSIFICATION OF PRIMARY UNDERTAKING

Indicate the primary classification of undertaking for the existing licence by checking one of the following boxes:

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

Does the proposed amendment change the classification of primary undertaking?

☐ Yes ☒ No

If Yes, indicate the primary undertaking of the amendment: _____

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

☐ Yes ☒ No

Describe the quality of the water source(s) and the available capacity(s). Identify any changes – **Water quality and capacity of Philips Creek and km 32 are described under original water licence 2AM-MRY1325. No changes to quality or capacity exist.**

Does the proposed amendment change the overall quantity of water to be used?

☒ Yes ☐ No

An additional 100 m³/day of water is proposed.

Provide the overall estimated quantity to be used. Identify proposed changes.

Type A Licence 2AM-MRY1325, Part E, Table 2: Volume for Milne Port increases to 367.5 m³/day (up from 68.5 m³/day) to include amount of water authorized under Type B Licence 8BC-MRY1314. The total with this proposed amendment would be 467.5 m³/day.

Does the proposed amendment change the quantity of water to be used from each source?

☒ Yes ☐ No

Provide the estimated quantity(s) of water to be used from each source. Identify proposed changes.

Type A Licence 2AM-MRY1325, Part E, Table 2: Volume for Milne Port increases to 367.5 m³/day (up from 68.5 m³/day) to include amount of water authorized under Type B Licence 8BC-MRY131. Other quantities stated in Part E, Table 2 remain unchanged. The additional 100 m³/day would be sourced from Philips Creek and or KM32 Lake in the summer and from KM32 Lake in the winter months.

Does the proposed amendment change the quantity of water to be used for each purpose?

☐ Yes ☒ No

Provide the estimated quantities to be used for each purpose (camp, drilling, etc.). Identify proposed changes:

The additional water use will be for domestic purposes.

Does the proposed amendment change the method(s) of extraction? ☐ Yes ☒ No

Describe the method(s) of extraction. Identify proposed changes: **As per Type A Licence 2AM-MRY1325**

Does the proposed amendment change the quantity(s) of water returned to source(s)?

☒ Yes ☐ No

Estimated quantity(s) of water returned to source(s). Identify proposed changes:

Additional water used for domestic consumption will be discharged to Milne Inlet after treatment in the sewage treatment plant. The location of discharge does not change.

Does the proposed amendment change the quality(s) of water returned to source(s)?

☐ Yes ☒ No

Describe the quality(s) of water(s) returned to source(s). Identify any changes:

As per terms and conditions of Type A Licence 2AM-MRY1325, Part F, Table 5.

14. WASTE

Check the appropriate box(s) to indicate the types of waste(s) approved in the existing licence.

- | | |
|---|--|
| <input checked="" type="checkbox"/> Sewage | <input checked="" type="checkbox"/> Waste oil |
| <input checked="" type="checkbox"/> Solid Waste | <input checked="" type="checkbox"/> Greywater |
| <input checked="" type="checkbox"/> Hazardous | <input checked="" type="checkbox"/> Sludges |
| <input checked="" type="checkbox"/> Bulky Items/Scrap Metal | <input checked="" type="checkbox"/> Contaminated soil and/or water |
| <input type="checkbox"/> Animal Waste | |
| <input type="checkbox"/> Other (describe): _____ | |

Does the proposed amendment change the type(s) of waste(s) to be generated or deposited?

☐ Yes ☒ No

All waste will be managed in accordance with the Waste Management Plan submitted to the NWB on March 31, 2014 and updated annually. A revised Waste Management Plan for Phase 2 will be submitted with an environmental assessment to the NIRB, the timing of which is subject to NIRB's direction.

If Yes, indicate using the boxes below, the proposed change(s) to the type(s) of waste(s) to be generated and/or deposited noting the addition, removal or continued generation and/or disposal of waste(s).

- | | |
|--|---|
| <input type="checkbox"/> Sewage | <input type="checkbox"/> Waste oil |
| <input type="checkbox"/> Solid Waste | <input type="checkbox"/> Greywater |
| <input type="checkbox"/> Hazardous | <input type="checkbox"/> Sludges |
| <input type="checkbox"/> Bulky Items/Scrap Metal | <input type="checkbox"/> Contaminated soil and/or water |
| <input type="checkbox"/> Animal Waste | |
| <input type="checkbox"/> Other (describe): _____ | |

15. QUANTITY AND QUALITY OF WASTE INVOLVED

Does the proposed amendment change the quantity(s) of the types of wastes involved?

☒ Yes ☐ No

Does the proposed amendment change the composition(s) of the types of wastes involved?

☐ Yes ☒ No

Does the proposed amendment change the method(s) of treatment for the types of waste involved?

☐ Yes ☒ No

Does the proposed amendment change the method(s) of disposal for the types of waste involved?

☐ Yes ☒ No

If Yes to any of the above, describe the proposed changes:

Trucking and shipment of iron ore via Milne Port will result in increased quantities of waste oil and bulky scrap material. However, management methods and disposal methods remain unchanged.

For each type of waste indicated in Block 14, describe its composition, quantity in cubic meters/day, method of treatment and method of disposal.

For types and quantities of wastes, refer to the Waste Management Plan Table 4-4 and Table 4-5 (submitted for NWB approval on March 31, 2014). Any changes will be reflected in subsequent plans as per conditions in the amended licence.

16. OTHER AUTHORIZATIONS

Does the proposed amendment change the need for other authorizations in addition to the sub-surface and surface land use authorizations provided in Block 6?

☐ Yes ☒ No

If Yes, indicate any additional authorizations required, which authorizations are no longer required, and which authorizations continue to be required.

For each provide the following:

Authorization: _____

Administering Agency: _____

Project Activity: _____

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

17. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES

Does the proposed amendment change the predicted environmental impacts of the undertaking or the mitigation measures?

☐ Yes ☒ No

Describe direct, indirect, and cumulative impacts related to water and waste. Identify any changes.

No, the predicted environmental impacts previously presented in the Addendum to the FEIS are not expected to change. A revised environmental effects assessment presented as part of the NIRB project amendment application will be submitted subject to direction by the NIRB.

18. WATER RIGHTS OF EXISTING AND OTHER WATER USERS

Was compensation paid and/or an agreement(s) for compensation been entered into with any existing or other users of water during consideration of the existing licence?

☐ Yes ☒ No

If Yes, provide the names, addresses and the nature of water use by those persons or properties.

Does the proposed amendment adversely affect any known persons or property including those that hold licences for water use in precedence 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?

☐ Yes ☒ No

If Yes, provide the names, addresses and the nature of water use of those persons or properties.

Advise the Board if compensation has been paid and/or an agreement(s) for compensation has been reached with any existing or other water users with respect to the proposed amendment.

19. INUIT WATER RIGHTS

Was compensation paid/ or an agreement(s) for compensation been entered into with any Designated Inuit Organization (DIO) during consideration of the existing licence?

☒ Yes ☐ No

If Yes, which DIO(s) : **Qikiqtani Inuit Association (QIA), Iqaluit, NU.**

Does the proposed amendment substantially affect the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL)?

☐ Yes ☒ No

If Yes, advise the Board if negotiations have commenced or an agreement to pay compensation for any loss or damage has been reached with one or more DIO(s) with respect to the proposed amendment.

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

Summary of public consultation for Phase 2 of the Mary River Project will be presented in Mary River Project FEIS Addendum, Volume 2, the submission of which is subject to direction by the NIRB.

21. SECURITY INFORMATION

Does the proposed amendment change the financial security assessment?

☒ Yes ☐ No

Does the proposed amendment change the estimate of the total financial security for final reclamation?

☒ Yes ☐ No

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

Additional security required for additional accommodation and fuel storage at Milne Port will be subject to the terms and conditions in the amended 2AM-MRY1325 licence. The estimate for additional security will be provided to all stakeholders at such time as the Annual Security Review dictates.

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

22. FINANCIAL INFORMATION

Is the statement of financial security the same as that considered in the existing water licence?

☒ Yes ☐ No

Provide an updated statement of financial security.

If the applicant is a business entity please answer the questions below:

Is the list of the officers of the company the same as those considered in the existing water licence?

☒ Yes ☐ No

Provide a list of the officers of the company.

Is the Certificate of Incorporation or evidence of registration of the company name the same?

☒ Yes ☐ No

Attach a copy of the Certificate of Incorporation or evidence of registration of the company name.

Financial information remains the same as previously reviewed for licence 2AM-MRY1325.

23. STUDIES UNDERTAKEN TO DATE

List and attach updated studies, reports, research etc.

Refer to Mary River Project FEIS Addendum, June 2013, and, Type B Licence 8BC-MRY131 renewal application (April 2014).

Provide a compliance assessment and status report including a response to any inspector's reports. The licensee must contact the NWB for licence specific direction in completing the assessment and report.

If in non-compliance, a licence may not be issued until compliance is achieved. If in non-compliance, attach plans/reports for consideration. Application will not be processed if significant issues of non-compliance exist.

24. PROPOSED TIME SCHEDULE

When are proposed amendments scheduled to be undertaken: **June 2016.**

Does the proposed amendment change the time schedule considered in the existing licence for any phase of development?

☐ Yes ☒ No

Indicate the start and completion dates for each applicable phase of development (construction, operation, closure, and post closure). Identify proposed changes.

Construction

Proposed Start Date:
(month/year)

June 2016

Proposed Completion Date:
(month/year)

July 2017

Operation

Proposed Start Date:

July 2017
(month/year)

Proposed Completion Date:

July 2038
(month/year)

Closure

Proposed Start Date:

July 2038
(month/year)

Proposed Completion Date:

July 2040
(month/year)

Post - Closure

Proposed Start Date:

July 2040
(month/year)

Proposed Completion Date:

July 2045
(month/year)

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

Construction

☐ Winter ☐ Spring ☐ Summer ☐ Fall ☒ All season

Operation

☐ Winter ☐ Spring ☐ Summer ☐ Fall ☒ All season

Closure

☐ Winter ☐ Spring ☐ Summer ☐ Fall ☒ All season

Post - Closure

☐ Winter ☐ Spring ☒ Summer ☐ Fall ☐ All season

25. PROPOSED TERM OF LICENCE

On what date does the existing licence expire? **June 10 2025**

Is the Licensee applying for a combined renewal and amendment of the existing licence?

☐ Yes ☒ No

If Yes, indicate the proposed term of the renewal (maximum of 25 years):

Requested date of renewal issuance:

(month/year)

Requested Expiry Date:

(month/year)

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

26. ANNUAL REPORTING

Will the proposed amendment change the content of annual reports or the annual report template?

☐ Yes ☒ No

If Yes, provide details regarding the content of annual reports and a proposed outline or template of the annual report.

27. CHECKLIST

The following must be included with the application for Amendment for the water licensing process to begin.

Completed Application for Water Licence Amendment form.

☒ Yes ☐ No If no, date expected _____

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

☐ Yes ☒ No If no, date expected **June 2015**

Compliance Assessment / Status Report (see Block 23).

☐ Yes ☒ No If no, date expected **June 2015**

Indication of Renewal Requirement (see Block 26)

☒ Yes ☐ No If no, date expected _____

English Summary of Amendment Application.

☐ Yes ☒ No If no, date expected **June 2015**

Inuktitut and/or Inuinnaqtun Summary of Amendment Application.

☐ Yes ☒ No If no, date expected : **June 2015**

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

☒ Yes ☐ No If no, date expected _____

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

☐ Yes ☐ No If no, date expected **June 2015**

28. SIGNATURE

			
Name (Print)	Title (Print)	Signature	Date