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NUNAVUT WATER BOARD

NUNAVUT IMALIRIYIN KATIMAYIT

OFFICE DES EAUX DU NUNAVUT

### GENERAL WATER LICENCE APPLICATION (APPLICATION FOR NEW WATER LICENCE)

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

LICENCE NO: (for NWB use only)	
<p><b>1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION</b> (name, address)</p> <p>Qikiqtaaluk Arctic Economic Development Corporation 5300 Qulliq Court, Suite 200 Iqaluit, Nunavut X0A 2H0</p> <p>Jeff FitzGerald Senior Manager</p> <p>Phone: (514) 677-2556 e-mail: jfitzgerald@arcticedc.ca</p>	<p><b>2. APPLICANT REPRESENTATIVE CONTACT INFORMATION</b> if different from Block 1 (name, address)</p> <p>CBCL Limited 1505 Barrington Street, Suite 901 Halifax, NS B3J 2R7</p> <p>David Parsons Project Manager</p> <p>Phone: (506) 633-6650 x 3233 e-mail: davidp@cbcl.ca</p>
<p><b>3. NAME OF PROJECT</b> (including the name of the project location)</p> <p>Qikiqtarjuaq Marine Infrastructure Project (Deep Sea Port)</p>	
<p><b>4. LOCATION OF UNDERTAKING</b></p> <p><b>Project Extents</b></p> <p>NW: Latitude: (67° 31' 48.47" N) Longitude: (64° 01' 59.38" W)            NE: Latitude: (67° 31' 48.81" N) Longitude: (64° 01' 48.81" W)            SE: Latitude: (67° 31' 47.60" N) Longitude: (64° 01' 46.95" W)            SW: Latitude: (67° 31' 40.64" N) Longitude: (64° 01' 51.48" W)</p> <p><b>Quarry</b></p> <p>N: Latitude: (67° 32' 50.33" N) Longitude: (64° 00' 37.83" W)            E: Latitude: (67° 32' 41.72" N) Longitude: (64° 00' 28.61" W)            S: Latitude: (67° 32' 30.22" N) Longitude: (64° 00' 42.47" W)            W: Latitude: (67° 32' 42.50" N) Longitude: (64° 01' 04.08" W)</p>	

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

NTS Map Sheet No.:026P09      Map Name: Broughton Harbour Nunavut      Map Scale: 1:50,000

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

**Sub-surface**

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

Mineral Lease from Indian and Northern Affairs Canada (INAC)  
Date (expected date) of issuance: \_\_\_\_\_ Date of expiry: \_\_\_\_\_

**Surface**

Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC)  
Date (expected date) of issuance: TBD Date of expiry: TBD \_\_\_\_\_

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

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

IOL Authorization from Qikiqtani Inuit Association (QIA)  
Date (expected date) of issuance: \_\_\_\_\_ Date of expiry: \_\_\_\_\_

Commissioner's Land Use Authorization  
Date (expected date) of issuance: TBD Date of expiry: TBD \_\_\_\_\_

Other:  
Date (expected date) of issuance: TBD Date of expiry: TBD \_\_\_\_\_

Name of entity(s) holding authorizations:

Qikiqtaaluk Arctic Economic Development Corporation

**7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION**

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

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

Is a land use plan conformity determination required?

- Yes  No

If Yes, indicate date issued and attach copy April 15, 2025

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

**Note:** A project modification proposal was submitted to the NPC on Jan 23, 2026, and the NPC completed a review of the modification proposal on Feb 19, 2026 noting the proposal is exempt from further screening by the NIRB as the new activities do not change the general scope of the original application.

**8. NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION**

Is an Article 12 Part 4 screening determination required?

- Yes  No

If Yes, indicate date issued and attach copy October 10, 2025

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

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

Qikiqtaaluk Arctic Economic Development Corporation (QAEDC) is proposing to construct a deep-sea port facility in Qikiqtarjuaq, Nunavut (the Project). The primary objective of the Project is to improve the marine infrastructure in Qikiqtarjuaq with the construction of a deep-sea port, to support the needs of northern marine trade corridors, and especially the Davis Strait and Baffin Bay marine traffic.

The Project is a coastal infrastructure project that consists of a closed-face marginal wharf structure with 10 m depth at low tide with laydown space. The Project will also include an access road from municipal roads to the facility, wastewater receiving systems, VHF radio communications station, services to allow for freezer containers, operations and security office, power distribution, and a drainage channel.

A 1 m wide drainage channel is proposed to be built on the upslope end (east side) of the laydown area to capture naturally occurring runoff (i.e., rain, ice/snow melt) and prevent the runoff from entering the laydown area. The 0.25 m slopes of the channel will be graded at a 2:1 minimum slope and the top of the slopes will be blended into the existing grade. Geotextile fabric will be placed on the graded channel bed and slopes and will be buried under 500 mm wide R5 rip rap. The area of disturbance proposed to construct the drainage channel is a total of 3,280 m<sup>2</sup> above the high-water line.

Construction of the Project will involve land-based (i.e., site preparation, quarrying rock) and marine-based (i.e., marine construction, dredging of material from the seabed) activities. Some dredged material will be reused for construction and the rest will be stockpiled immediately southeast of the new wharf. Rock will be sourced from a local quarry and hauled to the Project site via existing municipal roads. A temporary wharf will be installed immediately south of the dredge stockpile area to support construction.

Personnel from abroad will stay in floating accommodations (support ships) instead of, or in addition to, a land-based temporary work camp. A floating dock will be installed to move equipment and personnel between support ships and the construction site.

Further details are provided in the following:

- Qikiqtarjuaq Marine Infrastructure Project, Project Proposal, submitted to NIRB June 23, 2025
- Qikiqtarjuaq Marine Infrastructure Project, Project Modification Description, March 2026
- Qikiqtarjuaq Marine Infrastructure – Construction Drawings
- Government of Nunavut Qikiqtarjuaq Marine Infrastructure Project, Construction Documents – 99% Stage Submission
- 

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

CBCL carried out an analysis of five alternatives for the infrastructure layout. Options for the marine, civil, and architectural infrastructure were analyzed. Three location alternatives were identified in the analysis:

- Location 1 – south of the community
- Location 2 – near the community on the north side of the existing breakwater
- Location 3 – within Qikiqtarjuaq Harbour

Based on stakeholder consultations, community engagement, site access, existing conditions, and future expansions, Location 1 was selected.

Five alternatives for the marine, civil, and architectural infrastructure were analyzed for the project. See the attached Qikiqtarjuaq Marine Infrastructure Project – Schematic Alternatives Report (CBCL, 2024) additional information on alternatives.

Three alternatives were considered for worker accommodation during construction:

- Alternative 1 - Accommodate personnel from abroad in a temporary land-based camp.
- Alternative 2 - Accommodate personnel from abroad on support ships.
- Alternative 3 - Accommodate personnel from abroad in a combination of land-based and floating accommodations.

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

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

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

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

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

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

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

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

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

Qikiqtarjuaq Municipal Water Supply System

Describe the quality of the water source(s) and the available capacity: 49,245 cubic metres per year under Water Licence 3BM-QIK2427 issued to Municipality of Qikiqtarjuaq

Provide the overall estimated quantity of water to be used: 6 m<sup>3</sup>/day

Provide the estimated quantity(s) of water to be used from each source: 6 m<sup>3</sup>/day from Qikiqtarjuaq Municipal Water Supply System

Indicate the estimated quantities to be used for each purpose (camp, drilling, etc.) Camp – 6m<sup>3</sup>/day

Describe the method of extraction(s): N/A – delivered to camp from Municipal Water Supply System via municipal water truck

Estimated quantity(s) of water returned to source(s): N/A

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

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

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Sewage   | <input type="checkbox"/> Waste oil                      |
| <input checked="" type="checkbox"/> Solid Waste  | <input checked="" 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 checked="" type="checkbox"/> Other (describe): <u>Overburden from quarrying and marine sediment from dredging</u> |   |

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

Type of Waste	Composition	Quantity Generated	Treatment Method	Disposal Method
Marine Sediment	Compact to very dense silty sand with varying amounts of gravel, cobbles and boulders	27,500 m <sup>3</sup> over project	N/A	Infilling in port area
Overburden	Generated in construction of the quarry	Negligible	N/A	Remain in the quarry
Greywater	Generated in temporary work camp	800 m <sup>3</sup>		Collected by truck and disposed in municipal sewage treatment facility

Sewage	Generated in temporary work camp	1,500 m <sup>3</sup>	N/A	Collected by truck and disposed in municipal sewage treatment facility
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**16. OTHER AUTHORIZATIONS** – In addition to the sub-surface and surface land use authorizations provided in Block 6, indicate any other authorizations required in relation to the proposed undertaking. For each provide the following:

**Authorization:** NPC Review

**Administering Agency:** Nunavut Planning Commission (NPC)

**Project Activity:** Marine infrastructure

**Date (expected date) of issuance:** April 15, 2025      **Date of expiry:** N/A

**Authorization:** NIRB Screening – Federal Minister Approval

**Administering Agency:** Nunavut Impact Review Board (NIRB)

**Project Activity:** Marine infrastructure

**Date (expected date) of issuance:** October 10, 2025      **Date of expiry:** N/A

**Authorization:** *Fisheries Act* Authorization

**Administering Agency:** Fisheries and Oceans Canada (DFO)

**Project Activity:** Dredging, infilling, marine construction

**Date (expected date) of issuance:** TBD      **Date of expiry:** TBD

**Authorization:** Approval under *Canadian Navigable Waters Act*

**Administering Agency:** Transport Canada – Navigation Protection Program (NPP)

**Project Activity:** Dredging, infilling, marine construction

**Date (expected date) of issuance:** TBD      **Date of expiry:** TBD

**Authorization:** Land Use Permit / Lease

**Administering Agency:** Government of Nunavut Department of Community Services

**Project Activity:** Port infrastructure (land-based)

**Date (expected date) of issuance:** TBD      **Date of expiry:** TBD

**Authorization:** Land Use Permit

**Administering Agency:** Crown-Indigenous Relations and Northern Affairs Canada

**Project Activity:** Port infrastructure (seabed)

**Date (expected date) of issuance:** TBD **Date of expiry:** TBD

**Authorization:** Development Permit

**Administering Agency:** Hamlet of Qikiqtarjuaq

**Project Activity:** Port construction

**Date (expected date) of issuance:** TBD **Date of expiry:** TBD

**Authorization:** Building Permit

**Administering Agency:** Hamlet of Qikiqtarjuaq

**Project Activity:** Building construction

**Date (expected date) of issuance:** TBD **Date of expiry:** TBD

**Authorization:** Electrical Permit

**Administering Agency:** Government of Nunavut Department of Community Services

**Project Activity:** Marine infrastructure

**Date (expected date) of issuance:** TBD **Date of expiry:** TBD

**Authorization:** Quarrying Permit

**Administering Agency:** Hamlet of Qikiqtarjuaq

**Project Activity:** Quarrying

**Date (expected date) of issuance:** TBD **Date of expiry:** TBD

**Authorization:** Fire Marshal Approval

**Administering Agency:** Office of the Fire Marshal (via Government of Nunavut Justice)

**Project Activity:** Port construction

**Date (expected date) of issuance:** TBD **Date of expiry:** TBD

**Authorization:** Aids to Navigation Review

**Administering Agency:** Canadian Coast Guard (CCG)

**Project Activity:** Marine infrastructure

**Date (expected date) of issuance:** TBD    **Date of expiry:** TBD

**Authorization:** Land Use Review

**Administering Agency:** NAV Canada and Government of Nunavut Department of Community Services

**Project Activity:** Port infrastructure

**Date (expected date) of issuance:** TBD    **Date of expiry:** TBD

**Authorization:** Qikiqtarjuaq Airport Zoning Review

**Administering Agency:** Government of Nunavut Airports, Operations & Safety

**Project Activity:** Port infrastructure

**Date (expected date) of issuance:** TBD    **Date of expiry:** TBD

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

See attached supporting documents for more information:

- Qikiqtarjuaq Marine Infrastructure Project, Project Proposal, submitted to NIRB June 23, 2025
- Qikiqtarjuaq Marine Infrastructure Project, Project Modification Description, March 2026
- Screening Decision Report NIRB File No.: 25XN030
- Qikiqtarjuaq Marine Infrastructure Project, Construction Environmental Management Plan, March 2026

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

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

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

No known persons or properties are adversely affected by the proposed undertaking.

**19. INUIT WATER RIGHTS**

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

No effect of the Project on quality, quantity or flow of waters through IOL.

**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.

See attached supporting documents for more information:

- Qikiqtarjuaq Marine Infrastructure Project, Project Proposal, submitted to NIRB June 23, 2025
- Qikiqtarjuaq Marine Infrastructure Project, Project Modification Description, March 2026

**21. SECURITY INFORMATION**

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

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

**22. FINANCIAL INFORMATION**

Provide a statement of financial responsibility.

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

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

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

- Qikiqtarjuaq Marine Infrastructure Project, Project Proposal, submitted to NIRB June 23, 2025
- Qikiqtarjuaq Marine Infrastructure Project, Project Modification Description, March 2026
- Qikiqtarjuaq Marine Infrastructure Project, Construction Environmental Management Plan, March 2026

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

Construction

Proposed Start Date: August/2026 Proposed Completion Date: September/2028  
(month/year) (month/year)

Operation

Proposed Start Date: October/2028 Proposed Completion Date: N/A  
(month/year) (month/year)

Closure

Proposed Start Date: N/A Proposed Completion Date: \_\_\_\_\_  
(month/year) (month/year)

Post - Closure

Proposed Start Date: N/A Proposed Completion Date: \_\_\_\_\_  
(month/year) (month/year)

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

Construction

Winter  Spring  Summer  Fall  All season

Operation

Winter  Spring  Summer  Fall  All season

Closure

Winter  Spring  Summer  Fall  All season

Post - Closure

Winter  Spring  Summer  Fall  All season

**25. PROPOSED TERM OF LICENCE**

Number of years (maximum of 25 years): 3 years

Requested Date of Issuance: August/2026 Requested Expiry Date: September/2028  
(month/year) (month/year)

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

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

Annual reports will be submitted to NWB prior to March 31 each year using NWB’s standardized form and will include the following information:

- Licence and Licensee information
- Summary of water use and waste disposal activities, including methods of obtaining water, sewage and greywater management, quarry waste management, dredge waste management, solid waste management, and hazardous waste management
- A summary of unauthorized discharges and all follow-up actions taken, including location, type, source, and volume of spill; impacts to water; mitigation measures; remediation activities, if required; and short or long-term monitoring
- Any revisions to the Construction Environmental Management Plan or Spill Contingency Plan
- Summary of any progressive reclamation work undertaken
- Results of monitoring program including GPS coordinates of locations where wastes associated with the licence were deposited and the results of any sampling carried out that is required as a condition of the licence or as requested by an NWB Inspector
- A summary of responses and follow-up actions on NWB inspection or compliance reports

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

Written confirmation from the NPC confirming that NPC's requirements regarding land use plan conformity have been addressed.

Yes                       No                      If no, date expected \_\_\_\_\_

Written confirmation from the NIRB confirming that NIRB's requirements regarding development impact assessment have been addressed.

Yes                       No                      If no, date expected \_\_\_\_\_

Completed General Water Licence Application form.

Yes                       No                      If no, date expected \_\_\_\_\_

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

Yes                       No                      If no, date expected \_\_\_\_\_

English Summary of Application.

Yes                       No                      If no, date expected \_\_\_\_\_

Inuktitut and/or Inuinnaqtun Summary of Application.

Yes                       No                      If no, date expected \_\_\_\_\_

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: Dredged materials will be removed from the site, but water is not otherwise used except through existing licensed facilities.

**28. SIGNATURE**

Jeff FitzGerald  
**Name (Print)**

Senior Manager  
**Title (Print)**

*Jeff FitzGerald*  
**Signature**

March 30, 2026  
**Date**