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

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DOCUMENT MANAGEMENT

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DOCUMENT AMENDMENTS

	Description	Date
(1)	Updated for public distribution as separate document from NWB Guide 4	June 2010
(2)	Updated NWB logos and reformatted table to allow rows to break across page	May 2011
(3)	Update NWB logo	April 2013
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(5)		
(6)		
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(9)		
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GENERAL WATER LICENCE APPLICATION (APPLICATION FOR NEW WATER LICENCE)

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

LICENCE NO:
(for NWB use only)

1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION (name, address)

Justin McDonell,
Project Manager, Capital Projects
Government of Nunavut
PO Box 1000 Station 200
Transportation and Infrastructure Nunavut
Iqaluit, NU X0A 0H0

Phone: 867-975-5114
Fax: N/A
e-mail: JMcDonell@gov.nu.ca

2. APPLICANT REPRESENTATIVE CONTACT INFORMATION if different from Block 1 (name, address)

Laura Borden, MSc., RPBio.
Senior Marine Scientist
Dynamic Ocean Consulting Ltd.
2901 Murray Street
Port Moody, BC V3H 1X3

Phone: 604-928-0193
Fax: N/A
e-mail: Laura@dynamicocean.ca
(Attach authorization letter.)

3. NAME OF PROJECT (including the name of the project location)

Grise Fiord Community Harbour Project

4. LOCATION OF UNDERTAKING

Project Extents
Full project extent provided below.

NW: Latitude: (76 ° 26' 28.9" N) Longitude: (82 ° 59' 39.7" W)
NE: Latitude: (76 ° 26' 58.3" N) Longitude: (82 ° 59' 24.9" W)
SE: Latitude: (76 ° 25' 40.7" N) Longitude: (82 ° 53' 15.4" W)
SW: Latitude: (76 ° 24' 58.3" N) Longitude: (82 ° 53' 59.4" W)

Camp Location(s)
Camp location to be provided in an amendment application to this NWB Water Licence.

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

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

See Figure 2-1.

NTS Map Sheet No.: 049A/06 Map Name: Project Location and Components 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: 19 August 2025 Date of expiry: 30 April 2031

☐ 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: (October 2026) Date of expiry: To be determined

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

Name of entity(s) holding authorizations: Government of Nunavut – Transportation and Infrastructure Nunavut (GN-TIN)

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

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

☒ North Baffin
☐ South Baffin
☐ Akunniq
☐ Keewatin
☐ Sanikiluaq
☐ West Kitikmeot

Is a land use plan conformity determination required?

☒ Yes ☐ No

If Yes, indicate date issued and attach copy: 11 December 2024 (File No. 150556).

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

Is an Article 12 Part 4 screening determination required?

☒ Yes ☐ No

If Yes, indicate date issued and attach copy: 19 June 2025 (File No. 24XN059).
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.

See Project description submitted to NIRB File No. 24XN059 for details description of undertakings for the overall Project.

The construction of the Project requires several activities that require authorization under a Type B water licence from the Nunavut Water Board (NWB). The construction activities include:

- Stream armouring.
- Culvert installation, replacement or repair.
- Dredging and stilling basin creation.

Detailed information about each construction activity is provided in Section 2.1 of the cover letter.

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

The location of the Project was selected as it works with the natural landscape within a sheltered bay, provides maximum protection from waves for small craft vessels, offers better constructability, and is supported by the community. Three preliminary harbour options (Options 1, 2 and 3) were conceptualized during the feasibility study in 2019, and design workshops and community consultations conducted throughout the feasibility and design phases discussed the various layouts and the associated benefits and disadvantages of each. Option 1, located to the northwest, was chosen as the preferred arrangement by the community. The quarry (borrow pit) locations and haul route were similarly selected through aerial review, community consultation, and field investigation, with the haul route making use of the existing 4.2 km road to minimize new disturbance.

A full description of the alternatives considered and the rationale for the selected options is provided in Section 1.6 of the Project Specific Information Requirement (PSIR) Report.

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

☐ Industrial ☐ Agricultural
☐ Mining and Milling (includes exploration/drilling/exploration camps)
☐ Conservation
☐ Municipal (includes camps/lodges) ☐ Recreational
☐ Power ☒ Miscellaneous (describe below):

Water crossing, stream armouring (bank alteration), and dredging in freshwater.

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

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

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

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

- ☐ To obtain water for camp/ municipal purposes
- ☐ To obtain water for industrial purposes
- ☐ To cross a watercourse
- ☐ To alter the flow of, or store water
- ☒ Other: _divert drainage water_____
- ☐ To divert a watercourse
- ☒ To modify the bed or bank of a watercourse
- ☐ Flood control

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):
Kuuraaluk Creek (stream armouring, and dredging). See figure 2-1 in Cover Letter.

Describe the quality of the water source(s) and the available capacity:
Kuuraaluk Creek: potable (typical High Arctic snowmelt)

Provide the overall estimated quantity of water to be used: 0 m^3/day

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

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

Describe the method of extraction(s): N/A

Estimated quantity(s) of water returned to source(s): 0 m^3/day

Describe the quality of water(s) returned to source(s): No water will be returned to the water source. Application is specific to alteration of a bed or bank of a stream and installation of a culvert to support drainage water diversion.

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

- ☒ Sewage
- ☒ Solid Waste
- ☒ Hazardous
- ☐ Bulky Items/Scrap Metal
- ☐ Animal Waste
- ☒ Other (describe): Overburden
- ☐ Waste oil
- ☐ Greywater
- ☐ Sludges
- ☐ Contaminated soil and/or water

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

Type of Waste	Composition	Quantity Generated	Treatment Method	Disposal Method
Sewage	Human waste	1000 m^3	N/A	The Project will coordinate closely with the Hamlet of Grise Fiord and the GN to assess the capacity of the sewage lagoon prior to mobilizing the construction workforce. If necessary, the contractor will implement appropriate measures to manage the wastewater generated by the Project.
Solid waste	Combustible waste, non-combustible waste	5 tons (combustible), 1 ton (non-combustible)	N/A	Hamlet landfill
Hazardous waste	Waste oil/grease, batteries, antifreeze, contaminated soils.	2000 litres	N/A	Returned to south in sealed drums or lined bags, transported in 20' shipping containers and disposed in accordance with regulatory procedures.
Overburden	Organic soil, waste	Negligible	N/A	What little overburden

	material, tailings			exists at the quarry (borrow pits) will be set aside and stockpiled at the quarry (borrow pits) location.

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: Conformity Determination

Administering Agency: Nunavut Planning Commission (NPC)

Project Activity: All Project Activities

Date (expected date) of issuance: 11 December 2024 Date of expiry: N/A

Authorization: Screening Decision Report

Administering Agency: Nunavut Impact Review Board (NIRB)

Project Activity: All Project Activities

Date (expected date) of issuance: 19 June 2025 Date of expiry: N/A

Authorization: Section 35(2) Fisheries Act Authorization

Administering Agency: Fisheries and Oceans Canada

Project Activity: In-water or near-water work that can cause the death of fish or Harmful Alteration, Disruption or Destruction (HADD) of fish habitat

Date (expected date) of issuance: (October 2026) Date of expiry: To be determined

Authorization: Notice of Work Approval

Administering Agency: Transport Canada

Project Activity: Activities with navigational interferences in navigable waterways

Date (expected date) of issuance: (October 2026) Date of expiry: To be determined

Authorization: Development and other occupancy permits

Administering Agency: Hamlet of Grise Fiord

Project Activity: Land-based infrastructure on municipal land

Date (expected date) of issuance: December 2026 Date of expiry: To be determined

Authorization: Type B Water Licence

Administering Agency: Nunavut Water Board

Project Activity: Project activities with the potential to interact with freshwater watercourses

Date (expected date) of issuance: (October 2026) Date of expiry: To be determined

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

The environmental effects expected from the described activities are temporary and localized, limited to short-term increases in turbidity and sediment release during in-stream work. Kuuraaluk Creek is non-fish-bearing, which limits the potential for effects on aquatic resources. Mitigation will include turbidity monitoring against Canadian Council of Ministers of the Environment (CCME) water quality guidelines and the installation and routine inspection of sediment and erosion control measures.

A full assessment of predicted effects and proposed mitigation is provided in Section 6 and Section 7 of the PSIR Report, and the corresponding construction mitigation and monitoring measures are detailed in Section 5.5 of the Construction Environmental Management Plan.

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.

N/A – No adverse effects anticipated by the proposed works.

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).

N/A – No adverse effects anticipated by the proposed works.

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.

An extensive consultation program for the Project is being conducted to ensure that hunters, trappers, fishers, residents, and other community groups and organizations are consulted using a variety of methods and materials. Community consultations for the Project began during the feasibility phase in 2018 and will continue throughout the life of the Project. The community has been very engaged in the Project and has provided valuable input into design and planning on numerous occasions. The input has been carefully considered and design modifications have been made based on feedback from design workshops with the Hunters and Trappers Association (HTA), meetings with the Hamlet, residents, land use and Inuit Qaujimajatuqangit (IQ) sessions with hunters and elders, and community open houses. This collaborative approach has also led to determining Project effects and the joint development of mitigation and management measures that address the concerns of the community. Kuuraaluk Creek is non-fish-bearing, and the community has confirmed through consultation that there is no harvesting in the harbour area and raised no concerns regarding the in-water and in-stream works. A detailed record of consultation events, feedback received, and Project responses is provided in Section 3 of the PSIR Report and the Consultation Log.

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.

There are no reclamation works anticipated as this is to support a permanent structure.

22. FINANCIAL INFORMATION

Provide a statement of financial responsibility.

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

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

The Government of Nunavut will see the Project through to completion and will ensure that mitigation and monitoring measures as outlined in the Construction Environmental Management Plan (CEMP) are adhered to by the contractor. There is no anticipated closing or abandonment of the community harbour as it is considered a permanent structure.

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

- Environmental and Socio-Economic Baseline (ESEB) report.
- Project Specific Information Requirement (PSIR) report.
- Construction Environmental Management Plan (CEMP).
- Consultation Log.

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: _____06/2027_____ (month/year) Proposed Completion Date: ____10/2030_____ (month/year)

Operation
Proposed Start Date: _____06/2031____ (month/year) Proposed Completion Date: _____N/A_____ (month/year)

Closure
Proposed Start Date: _____ N/A _____ (month/year) Proposed Completion Date: _____ N/A _____ (month/year)

Post - Closure
Proposed Start Date: _____ N/A _____ (month/year) Proposed Completion Date: _____ N/A _____ (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): 4 years

Requested Date of Issuance: ____06/2027____ (month/year) Requested Expiry Date: ___10/2030___ (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 (before March 31) using NWB's standardized form.

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 A $30.00 application fee will be paid by the GN-TIN upon the submission of the application.

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 A $30.00 water use fee deposit will be paid by the GN-TIN upon the submission of the application.

28. SIGNATURE

Laura Borden	Senior Marine Scientist		07 Oct 2026
Name (Print)	**Title (Print)**	**Signature**	**Date**