Executive Summary

The Government of Nunavut-Transportation and Infrastructure Nunavut (GN-TIN) is planning the construction of a community harbour in the Hamlet of Resolute Bay, Nunavut (the Project).

The permanent components of the Project include the construction of:

- A new breakwater (to create a community harbour).
- Boat launch ramp.
- Small craft floating docks to support mooring of small craft vessels.
- Parking and boat storage area.
- Navigational aids.
- Harbour lighting.

Temporary components to support construction include:

- Quarry (borrow pits) to supply rock for construction.
- Haul road to transport rock from the quarry (borrow pits) to the community harbour.
- Below High-Water Line (HWL) infilled platforms to support land-based construction.
- Construction camp to house non-local Project personnel (up to 30 people).

An application was submitted to the NPC on 25 October 2024, with the Conformity Determination issued on 15 December 2024 (NPC File No. 150555). The Project was referred to the Nunavut Impact Review Board (NIRB) for screening. The NIRB application was submitted on 04 April 2025 (NIRB File No. 24XN058) and accepted as complete on 08 April 2025. The Project underwent a Level 4 screening, where a Screening Decision Report (SDR) was issued on 18 June 2025.

The construction of the Project requires several activities that involve the use of water or the alteration of a watercourse and therefore require authorization under a Type B Water Licence from the Nunavut Water Board (NWB). Descriptions of each construction activity are provided in Table 1. Note that Activities No. 2 and 3 will be addressed through an amendment.

Construction is scheduled to occur from 2027 to 2031, with works largely taking place during the open-water season. Each activity is described below. The proposed works are not anticipated to affect any other persons or properties. No adverse effects on the water rights of existing water users, or on Inuit water rights, are anticipated as a result of the proposed works.

The predicted effects of these construction activities are limited to short-term, localized increases in turbidity and sediment release. Mitigation will include turbidity monitoring against Canadian Council of Ministers of the Environment (CCME) water quality guidelines and the installation of sediment and erosion control measures, as detailed in Sections 5.4 and 5.5 of the Construction Environmental Management Plan (CEMP).

Table 1: Construction Activities requiring a Nunavut Water Board Type B Water Licence

Activity No.	Construction Activity	Project Component	Description
1	Drainage path diversion and culvert installation	Parking and boat storage area.	The drainage path located north of the community harbour will be diverted southwest via a drainage ditch in order to reduce sediment accumulation within the community harbour. The drainage ditch is approximately 240 m in length, extending from the existing culvert location to the shoreline west of the community harbour. The existing culvert will be removed. Two new culverts will be installed at the end of the drainage ditch, to allow drainage to be rerouted to the west of the community harbour. This activity does not require the use of water and does not generate wastewater.
2	Culvert replacement, repair, and water crossing management	Haul road.	The haul road requires localized improvements on existing water crossings to accommodate construction traffic, including rock trucks transporting aggregate from the quarry to the community harbour. The contractor will assess whether the existing water crossing mechanisms can support the anticipated construction traffic and will install, repair or replace culverts as required. The culverts will maintain water flow in lowland areas and support proper drainage during road use. This activity does not require the use of water and does not generate wastewater. Specific to the Mecham River, it is currently crossed by the community by driving through the river during low flow periods (fording). The contractor will assess if the Mecham River can withstand fording by construction traffic without adversely affecting the riverbed and water quality. Temporary culverts may be installed in the beginning of open-water seasons. If culverts are installed, they will be removed prior to iced season.
3	Water withdrawal	• Quarry. • Haul Road. • Parking and boat storage area. • Shoreline grading. • Contractor camp.	Water is required to support construction activities and the contractor's camp, including dust suppression, drinking water and sanitary facilities, earthworks (for compaction if necessary), and equipment cleaning. The primary water source will either be Char Lake, Resolute Lake or Mecham River. A maximum of 40 cubic metres (m^3) of water per day will be required to support construction and the contractor camp over the construction period. The modest water withdrawal volumes are not anticipated to affect water quantity, quality, or natural flow regimes of the water source. Wastewater will be managed by holding tanks in the sanitary facilities for the construction site and contractor camp.

ᐊᖏᕐᓯᖅᑲᐅᓇᓄᑦ ᐱᓪᓗᐊᑕᖏᑐᓂᑦ ᑎᑎᖅᑲᐃᑦ

ᐅᑯᐊ ᓄᓇᕗᑦ ᓴᖅᓚᓱᑯᑦ – ᐃᖏᕐᕿᕆᓕᓚᐅᓴᑯᑦ ᐊᐅᓪᓚᕐᓇᐅᑎᓕᓚᐅᓴᑯᓪᓗ ᓄᓇᕗᓴᒥ <ᕿᓇᐃᓕᑦ ᐱᓇᓱᒪᓪᓗᑎᒃ ᓄᓇᕆᓂᒃ ᑐᓕᕆᕿᐃᖅᑕᐅᑦ ᐄᐊᐸᓕᑯᑦ ᖃᐅᔨᓴᐃᑐᑐᖅ, ᓄᓇᕗᑦ (ᐅᓇ ᑐᓕᕆᕿᐃᖅᓴᖅ).

ᐊᑕᐃᓐᓇᕐᓂᐊᖅᑐᑎᒃ ᐃᓕᓕᐅᑎᓂᐊᖅᑐᖅ ᑐᓕᕆᕿᐃᖅᓴᒪᔪᑦ ᐃᓕᕐᑲᖅᓴᖅ:

- ᓄᒋᖅ ᒪᑉᓕᓰᕆᑎᑎ (ᐱᕐᕿᕆᑎᓂᐊᕐᓗᓂ ᓄᓇᕆᓂᒃ ᑐᓕᕆᕿᐃᖅᑎᑦ).
- ᐅᒥᐊᖅᑎᒃ ᐃᒧᓴᓱᐃᖅᓱᒐᖅᑐᖅ.
- ᒥᑭᔾᓄᑦ ᐅᒥᐊᖅᓄᑦ ᐳᓂᒉᖅ ᑐᓕᕆᕿᐃᒃ ᐃᑲᖅᑐᖅᑐᓄᑦ ᑭᑭᖅᓯᒪᔾᓄᑦ ᒥᑭᔾᓄᑦ ᐅᒥᐊᖅᓄᑦ.
- ᓄᖅᑲᖏᑦᓴᐃᑲᖅᖃᖅ ᐊᓚᒪᓗ ᐅᒥᐊᖅᓄᑦ ᓯᖅᓗᐊᖅ.
- ᐅᒥᐊᖅᑐᑎᑦ.
- ᑐᓕᕆᕿᐃᖅ ᖃᐅᔨᒪᖅᑯᖏᑦ.

ᐊᑕᓕᐅᑲᖏᓂᐊᖅᑐᖅ ᐃᑲᔾᖅᑐᑦ ᑐᓕᕆᕿᐃᓕᒥᐅᖅᑐᓂᒃ ᐅᑯᐊ ᐃᓕᒪᔨᐅᔾᔪᑦ:

- ᑐᐊᐸᕆᕿᐃᒃ (ᐃᑎᖅᓯᓪᓚᔾᔪᖅ ᐳᐊᓱᖅᓂᐊᐅᔾᔪᖅ) ᐅᔨᖅᑭᖏᓐᓂᒥᓂᒃ ᑐᓕᕆᕿᐃᑭᖅᑐᖅ.
- ᐊᐱᖅᑐᑦᓂᐊᐅᔾᔪᖅ ᐊᖅᑯᑎᖏᑦ ᓄᓇᓯᐅᑎᑦ ᑕᐃᑲᖏᑦ ᑐᐊᐸᕆᕿᐃᖅᑎᑦ (ᐃᑎᖅᓯᓪᓚᔾᔪᖅ ᐳᐊᓱᖅᓂᐊᐅᔾᔪᖅ) ᓄᓇᓕᓪᓕ ᑐᓕᕆᕿᐃᖏᓄᑦ.
- ᐊᓕᑎᖏᓂᖅᑭᖅ ᐃᒪᖅᑯᑐᓯᓚᑎᓪᓕᔪᓄ-ᐃᒪᖅ ᑭᒡᓕᐊ ᑐᐊᕽᐱᓚᐊᓕᓪᓕ ᓇᑎᖏᓪᓕ ᐃᑲᓯᑎᓂᐊᖅᑐᖅ ᓄᓇᒫᓪᓕᔪᑦ ᐱᓇᐅᔪᓐᓇᖅ.
- ᐱᓇᔾᔪᑦ ᑕᖏᒧᖅᓯᓚᓂᐊᖅᑐᑦ ᐃᓗᓐᓂ ᓄᓇᖅᑎᑎᕐᔭᐅᖏᓪᓕᑐᑦ ᐃᖅᑲᓇᐃᔾᔨᖅᑎᖏᓪᓕ (ᑎᑎᖅᓯᓪᓚᔾᔪᖅ ᐳᐊᓱᖅᓂᐊᐅᔾᔪᖅ) ᓄᓇᓕᓪᓕ ᐱᓇᐅᔪᓐᓇᖅ 30 ᐃᓄᐃᑦ).

ᐱᓇᔾᔪᒍᑎ ᑐᓂᔨᐅᓪᓚᑦ ᓄᓇᕗᓴᒥ <ᕿᓇᐃᓐᓇᒦᓄᑦ ᑕᐃᑲᓂ 25 ᐅᖅᑐᐸ 2024, ᒪᓕᕆᑎᐊᖅᓂᖅᑎᓄᓪᓕ ᐊᖏᕐᕿᑕᐅᔾᔪᑦ 15 ᑎᓯᐱᓇ 2024 (NPC ᑎᑎᖅᑲᖏᓂᖅ 150555). ᐅᓇ ᑐᓕᕆᕿᐃᓕᖅᑲᖅ ᑐᓂᓯᒋᑕᐅᓕᐅᕐᒥᔪᖅ ᓄᓇᕗᓴᒥ ᐊᐖᑎᓕᓚᐅᓴᒦᓄᑦ ᑲᑎᒪᓐᖏᑦᓄᓪᓕ ᖃᐅᔨᓴᖅᑕᐅᓂᐊᖅᓯᒪᓕ (NIRB). ᐅᒦᐊ ᓄᓇᕗᓴᒥ ᐊᖐᑎᓕᓚᐅᓴᒦᓄᑦ ᑲᑎᒪᓐᖏᑦ ᑐᓂᔨᐅᓕᐅᕐᓇᖅᑐᖅ 04 ᐊᐃᓚᓕ 2025 (NIRB ᑎᑎᖅᑲᒦᓂᖅ ᓇᓴᐅᑦ 24XN058) ᐊᓚᒪᓗ ᐊᖏᕐᕿᑕᐅᓕᓪᓗᑐᓂ 08 ᐊᐃᓚᓕ 2025. ᐅᓇ ᑐᓕᕆᕿᐃᖅᓴᖅ ᐱᓕᓚᐊᖓᓕᓪᓗᑐᓂ ᐳᖅᑐᓂᖅ 4 ᖃᐅᔨᓴᖅᑕᐅᓂᖅᓯᒪᓕ, ᑕᐃᒪᓂ ᖃᐅᔨᓴᖅᑕᐅᔾᔪᖅ ᐃᓯᓚᓕᐊᖓᓕᑐᓂ ᐅᓂᒃᑲᖓᓕᓪᓗᑐᒃ ᑐᓂᔨᐅᓕᓪᓗᑐᒃ 18 ᐋᓐ 2025.

ᐅᓇ ᑐᓕᕆᕿᐃᖅᓴᖅ ᐱᓇᔾᔪᐅᖅᓴᖅ ᐊᒥᓱᓂᒃ ᖃᓄᐃᓕᐅᕐᓇᖅᑕᐅᔾᔪᕆᓚᐊᓕᓗᒃ ᐃᓕᕆᖅᑐᖅᓴᖅ ᐊᑐᖅᑕᐅᓪᓗᑐᓂ ᐃᓗᖓ ᐅᕐᖏᓪᓕᓐᓂᓕ ᐊᓱᖓᕆᔨᓂᐊᓕ ᐃᓗᖓᓕ ᐃᕐᑎᓐᓂᖓ ᐊᖏᕐᕿᑕᐅᔾᔪᖅᓯᒪᓕ ᐊᑭᔪᓂ ᖃᓄᐃᓕᐅᕐᓇᖅᑐᖅ B ᐃᓚᖏᓂ ᓪᓚᐱᓱᓂ ᑭᒃᑯᓇᖓᓕ ᓄᓇᕗᓴᒥ ᐃᓚᓕᓚᓴᓂ ᑲᑎᒪᓐᖏᑦᓂᓪᓕ (NWB). ᓇᓗᓇᐃᔨᑎᐊᖅᓯᒪᔪᓂ ᐊᑐᓂ ᑐᓕᕆᕿᐃᖅᑲᒥᒃ ᖃᓄᐃᓕᓕᐅᕈᑕᐅᔾᔪᓂ ᑎᑎᕆᖅᓯᒪᒍᓐᓇᖅ ᐅᕐᒥᓂ ᓇᓗᓇᐃᖅᑯᓂᖅ 1. ᖃᐅᔨᓴᓕᓂᖅᓴᓯ ᐅᑯᐊ ᖃᐅᔨᓴᓕᓕᐅᕈᑕᐅᔾᔪᓂ ᑲᔪᓯᐅᑦ 2 ᐊᓚᒪᓗ 3 ᐅᖃᐅᓯᐅᓂᐊᖅᑐᓂ ᑕᒪᓐᓇ ᐋᖅᑭᒋᐊᓕᐊᖃᖅᑐᑎᒍᓂ.

ᑐᓕᕆᕿᐃᖅᑲᓕᐅᖅᑐᓂ ᐃᓂᖃᖅᑐᓂ 2027-ᒥᑦ ᑎᑭᓕᓗᒍ 2031-ᒧᑦ, ᖃᓄᓂᐊᖅᑐᓂ ᑭᓯᐊᓂ ᓯᑯᖃᖅᖢᑎᓕᓗᒍ ᐃᒪᐃᓐᓇᐅᑎᓕᓗᒍ ᐊᐅᓚᑯᑯᓂ. ᐊᑐᓂ ᖃᓄᐃᓕᐅᕈᑕᐅᔾᔪᑦ ᓇᓗᓇᐃᕐᑎᐊᖅᓯᒪᔪᓂ ᐊᑭᔪᓂ. ᐅᓇ ᑐᓱᓯᖅᑕᐅᔾᔪᖅ ᖃᓄᐃᓕᐅᕐᓇᖅᑐᖅᓴᖅ ᓂᓚᐅᓇᖅᑐᓂᑐᖅ ᐊᐅᑐᐃᓂᐊᖅᑐᓂᒃ ᐊᓯᖏᓪᓕᐊᓂᒃ ᐊᓱᓯᖅᑐᓂᓂᒃ. ᐱᐅᖖᕐᑐᓂᒃ ᐊᐅᑐᐃᓇᖅᑐᖅᖢᖖᕐᑐᓂᑐᖅ ᐃᓕᓴᒥ ᐱᐊᓐᓇᐅᑎᓂᑦ ᐊᑐᖅᑕᐅᔾᔪᑦ ᐃᓕᓴᒃ ᐊᑐᓯᓂᑦ, ᐅᖃᐅᓯᐅᓂᑦ ᐃᓇᓂᑦ ᐃᓕᓴᓂᑦ ᐱᐊᓐᓇᐃᓐᓇᐅᑎᓂᑦ, ᓂᓚᐅᓇᕆᔨᖅᑐᓂᒃ ᑐᓱᓯᖅᑕᐅᔾᔪᒍᑦ ᐱᓇᐅᔪᓐᓇᖅᑐᓂ.

ᓂᓚᐅᓇᖅᑐᑦ ᐊᐅᑐᕆᔨᖅᑕᖏᓂᑦ ᒐᓵᔪᐊ ᐱᓇᔾᔪᑦ ᖃᓄᐃᓕᐅᕈᑕᐅᑎᓂᐅᓐᓂᑦ ᐊᒥᓯᓗᐊᓐᖓᓂᑐᑦ ᖃᑭᓪᓚᕐᓂᑐᑦ ᐊᑐᖅᑕᐅᓪᓗᑐᓂᒃ, ᖃᐅᓂᒃᓴᓕᑐ ᓴᓇᔨᓂᒃ ᒪᑉᓕᓰᕆᑎᑎᖅᑕᐅᓕᖅᑐᓂᒃ ᐊᓚᒪᓗ ᐃᖅᑲᓇᐃᓕᐅᑎᓂᒃ, ᑕᐃᒪᓗ ᐊᓗᓐᓂᐊᖅᓯᒪᔪᓂ ᐊᐱᖅᑐᓂᒃ ᐊᐅᓚᑦᓂᐊᖅᓯᒪᔪᓂ ᐊᓚᒪᓗ ᐃᖅᑲᓇᐃᓕᐅᑎᓂᒃ ᐊᐅᓚᑦᓂᐊᖅᓯᒪᔪᓂ ᐊᓚᒪᓗ 5.4 ᐊᓚᒪᓗ 5.5 ᐱᓇᔾᔪᑦ ᐊᖏᑎᒃ ᐊᐅᓪᓚᕐᓂᐱᑎᐅᖅᓯᒪᓕ <ᕿᓇᐅᑎᒥ (CEMP).

ᓇᓗᓇᐃᒃᑯᑦᖢ 1: ᓴᓇᔪᑦ ᐊᑐᐊᖏᖅᓂᐊᖏᖅᑐᖢ ᓄᓇᕗᑦ ᐃᒪᓕᓚᕆᒃᑯᑦ ᑲᑎᒪᔨᖏᑦᑕ ᖃᓄᓐᑐᓂᖅᓯᒪᓂ Β ᐃᒪᖏᑦ ᓯᐃᓴᓱᒃᖢ

ᖃᓄᐃᓕᓕᐅᕈᑕᐅᔪᖢᖢ ᓇᓴᐅᑦ	ᑐᓴᕆᕋᐃᓴᒪᒍᑦ ᖃᓄᐃᓕᓕᐅᕈᑕᐅᔪᑦ	ᐱᓕᓚᐊᓴᒪᐅᑦ ᐃᓐᓕᖅᓯᒃ	ᑭᓱᓂᖅᓯᒃ
1	ძᕆᖏᕆᒃ ᐊᖏძᑦ ᐊᓱᐊᒍᑦ ᐊᓚᒪᓗ ძᐅᕆᓕᐅᖏᓐᓗᑎᒃ ᐊᑦᔪᒍᑦ ᐊᖏძᑎ	ᓄᖏᖅᑲᕆᕋᐃᓴᒪᖏᖅᖢᖢ ᐊᓚᒪᓗ ᐅᒥᐊᖏᓄᑦ ᓱᖏᓗᐊᖢᖢ.	ᐅᓇ ძᕆᓂᖅᑲ ᐊᖏძᑎᖏᖅᓯᐊᖏᖅᑐᖢᖢ ᐅᐊᖏᓇᖅᑲᓂ ᓄᓇᓕᓐᑦ ᑐᓴᕈᖏᕆᕋᓚᒪᑦ ᐃᖏᖅᑲᓂᑦ ᓄᓇᓕᓐᑦ ᑐᓴᕈᖏᕆᕋᓚᒪᑦ ᓂᒥᐊᓂᑦ ᐃᓗᐊᓂᑦ ᐱᓕᕆᓂᖅ ᐊᓐᓇᖅᑐᓂᑦ ᑕᒪᐅᕆᖏᓐᓂᒃ ᐃᓱᐊᓕ ᐊᖏძᑎᓂᑦ ᐃᓕᓴᕐᓂᖅ ᐊᓐᓇᖅᑲᓂᑦ ᓄᓇᓕᓐᑦ ᑐᓴᕈᖏᕆᕋᓚᒪᑦ. ᐅᓇ ᖃᓄᐃᓕᓕᐅᕈᑕᐅᔪᖢᖢ ᐊᑐᐊᖏᖅᑲᓐᓂᕐᓂᑐ