

August 26, 2001

PROJECT SUMMARY: Kugluktuk, NU. Marine Resupply Relocation

The Nunavut Department of Public Works & Services (PW&S) is planning to construct a new Marine Resupply Site for the community of Kugluktuk, NU. The client for this development is the Nunavut Department of Community Government & Transportation (CG&T). The Government of Canada is the agency responsible for the Marine Resupply Infrastructure in Nunavut. They are providing the project funding in the amount of \$1.2M.

The new Marine Resupply Facility will replace both, the existing barge landing located at the mouth of the Coppermine River and the existing staging area located in a congested area downtown Kugluktuk. The new facility will guarantee deeper water access close to shore for the re-supply vessels and provide significantly larger staging area for the offloaded materials.

The Northern Transportation Company Limited (NTCL) is the exclusive operator of the marine re-supply for Kugluktuk. During the design phase they provided advise on the location, positioning and parameters of the facility.

The proposed facility is located on the Southwest shore of the Coronation Gulf, 1.5 km west of the community of Kugluktuk. It consists of Breakwater, Causeway/Docking Facility, Marshalling Area, Access Road and Fuel-Pipeline.

The Breakwater and the Causeway/Docking Facility will be constructed in March–April 2002. The construction of these two components is subject to this Application. The breakwater is 330 m long and is located on a shoal separated 150 m to 200 m from the mainland. It will protect the sealift vessels and local sea crafts from inclement weather. The Causeway extends approx. 50 m into the sea. At the end of the causeway there will be a dock where the sealift barges will be moored for offloading. The construction of the Breakwater and Causeway involves placing of approx. 18,000 cu m clean blasted rock into the sea. For minimum impact on fish habitat, the construction will take place in early spring when the sea ice is bottom-fast along the shoreline. The ice will be removed from the footprint of the breakwater and causeway and the rock will be placed with no damage on adjacent area.

The Marshalling Area and the Access Road will be constructed in September–October 2001. The construction includes placing of approximately 10,000 cu m granular material and installation of two dead-man anchors. The construction does not affect the sea or any other water body in the area.

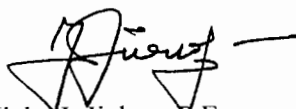
The Fuel Pipeline will be constructed in July–September 2001. The construction includes installation of several hundred meters pipeline connecting the new manifold and the existing tank farm. The pipeline construction and the method of fuel transfer from ship to tank farm are subject to a different application.

Most of the construction work on the proposed Marine Resupply facility would be completed within the current Fiscal Year. The GN has decided to divide the work into several Major Contracts advertised for Public Tender.

The local municipal authorities and the HTA expressed full support for the construction of the new facility. They confirmed that the facility would not affect the livelihood of the local hunters and fisherman. They indicated that moving the facility out in the open bay would minimise the impact on the numerous species of fish inhabiting the Coppermine River delta.

Prepared for the GN, *Department of PW&S and Department of CG&T* by:

JIVKO ENGINEERING



Jivko I. Jivkov, P.Eng.
Principal

ATTACHMENT #10

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