

Project Dashboard

Pond Inlet Marine Infrastructure (148432)

Proposal Status: Conformity Determination Issued

Project Overview

Type of application: **New**

Proponent name:	Mr. Paul Mulak
Company:	Government of Nunavut

Schedule:

Start Date:	2018-07-01
End Date:	2019-10-31
Operation Type:	Seasonal

Project Description:

The development of a protected small craft harbour in Pond Inlet has been studied since the 1990s, with over ten layout options considered in that time. The Government of Nunavut (GN), through Community and Government Services, intends to construct a new small craft harbour (the Project) in Pond Inlet. The Project is located on 12 hectares of land situated along the shoreline of the Hamlet of Pond Inlet on Eclipse Sound and across from Bylot Island at an approximate latitude of 77° 58' 54" W and a longitude of 72° 41' 49" N near the existing breakwater. Community input was solicited and used to refine the project design. The current location was selected as the most favourable site because it has marine access adjacent to the community and has been used for decades for boat launching with one section also being used for sealift activities. The Project will improve the existing boat ramp and the overall safety of marine activities in the community by providing a protected harbour for recreational users, hunters and fishermen, cruise ship tender boats, and it will further segregate small craft activities from sealift operation. Potentially, it may support the development of commercial fishery. The permanent components of the Project include new breakwaters, a fixed small craft wharf, a boat launch ramp, small craft floating docks, a sealift landing ramp, and a laydown area used for sealift storage, boat storage, and parking. The existing breakwater will be used to extend the new facilities. Supporting project activities during construction include the development of a quarry to source fill material and potentially a new quarry access road. Construction is anticipated to be completed within two years from the start of construction in summer 2018, concluding in fall 2019. During the construction, the Project will utilize the existing scheduled sealift deliveries and scheduled flights, with the potential for limited use of charter flights. Fuel, potable water, sanitary and solid waste disposal are anticipated to use existing facilities operated by the Hamlet of Pond Inlet and the GN. Work crew accommodations will be provided by local businesses.

Personnel:

Persons:	20
Days:	250

Project Map

List of all project geometries:

ID	Geometry	Location Name
1704	polygon	PI_SCH_Merged_Area

Planning Regions:

Kivalliq

Affected Areas and Land Types

Municipal

Settlement Area

North Baffin Planning Region

Project Land Use and Authorizations

Project Land Use

All-Weather Road Access
 Commercial Harvesting Activities
 Offshore Infrastructure
 Permanent Structures
 Pits and quarries
 Tourism Activities

Licensing Agencies

DFO:
 INAC:
 NRCan:
 TC:
 NIRB:
 NWB:

Other Licensing Requirements

Class A Land Use Permit

Material Use**Equipment**

Type	Quantity	Size	Use
Drill	2	5 tons	Quarrying
Excavator	4 - 5	30 - 40 ton	Quarrying, handling armour stone, excavating
Truck	3 - 4	35 ton articulating	Hauling quarried rock
Front end loader	2 - 3	966 - 988	Loading rock and moving cargo/equipment
Compactor	1	20 ton	Compacting road surfacing
Bulldozer	1	D8	Leveling placed rock and road surfaces
Grader	1	140	Road maintenance
Spud barge/derrick	1	20m x 50m deck w/150t crane	Dredging, sheet pile installation, moving/lifting materials and equipment
Material scows	1 - 2	500 cubic metre	Dredging and reuse within laydown area
Tug	1	1000 - 1500 horsepower	Mobilization and floating equipment movement
Work boat	1 - 2	Varies, 50 - 500 horsepower	Floating equipment movement
Pick-up truck	3	Crew cab, 3/4 ton	Crew and supplies movement

Mini-bus	1	15 passenger	Daily crew mob from hotel/accommodation to project site
Fuel/service truck	1	10 ton	Daily refueling and servicing of major mobile equipment, fueled from GN/PPD dispensers in Pond Inlet
Telehandler	1	5 ton	Moving materials and equipment
Rough terrain crane	1	80 ton	Lifting materials

Fuel Use

Type	Container(s)	Capacity	UOM	Use
Diesel	0	2000000	Liters	Mobile equipment, remote generators and heaters. Fuel will be dispensed on a daily basis from existing facilities in Pond Inlet.
Gasoline	0	20000	Liters	Small work boats, small generators and ATVs. Fuel will be dispensed on a daily basis from existing facilities in Pond Inlet.
Propane	10	25	Cubic Meters	Heaters

Hazardous Material and Chemical Use

Type	Container(s)	Capacity	UOM	Use
Hazardous	10	220	Liters	Maintenance of mobile equipment
Lubes and oils	10	5	Gallons	Maintenance of mobile equipment
Hazardous	10	4000	Liters	Welding and cutting of steel
Paint	10	1	Gallons	Painting wharf hardware and miscellaneous components
hazardous	0	60000	Liters	Quarrying

Water Consumption

Daily Amount (m ³)	Retrieval Method	Retrieval Location
5	Delivery by city or contracted water truck	City reservoir/water system

Waste and Impacts

Environmental Impacts

Potential Environmental Effects Potential environmental impacts that may occur during the construction and operation of the SCH include the following: ♣ Accidental leaks and spillages of substances such as fuel or petroleum-based lubricants to the environment; ♣ Disturbance of terrestrial and marine wildlife; ♣ Loss of fish habitat; ♣ Changes to traffic patterns; ♣ Disruption of marine and terrestrial land uses; ♣ Increased noise, light and dust related to construction activities; and ♣ Increased pressure on community infrastructure and support services. Mitigation Measures Environmental management plans will be implemented to mitigate potential effects of the Project on the environment. The environmental management plans will include but will not be limited to: ♣ Construction Environmental Management Plan ♣ Spill Response Plan Mitigation measures will be detailed in the environmental management plans.

Waste Management

Waste Type	Quantity Generated	Treatment Method	Disposal Method
Hazardous	2000 litres (volume shared with Permanent Structures)	n/a	Returned to south in sealed drums, transported in 20' shipping containers and

			disposed in accordance with regulatory procedures.
Overburden (organic soil, waste material, tailings)	negligible	n/a	Stockpiled at the quarry
Non-Combustible wastes	.33 tons	n/a	Hamlet landfill
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Combustible wastes	1.6 tons	n/a	Hamlet landfill
Combustible wastes	3.3 tons (volume shared with Permanent Structures)	n/a	Hamlet landfill
Greywater	100 m3	n/a	Hamlet or contractor sanitary truck to Hamlet sewage lagoon
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Sewage (human waste)	266 m3	n/a	Hamlet or contractor sanitary truck to Hamlet sewage lagoon
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