

Project Overview

Type of application: **New**

Proponent name:	Eleanor McEwan Fisheries & Oceans
Company:	Canada - Small Craft Harbours

Schedule:

Start Date:	2025-10-31
End Date:	2075-10-31
Operation Type:	Seasonal

Project Description:

A Small Craft Harbour is being designed for construction in the location of the existing community harbour in Arctic Bay. The purpose of the project is to support safe access to land and sea for fish and marine animal harvesting, and develop inshore and offshore commercial fisheries. Permanent structures include new breakwaters, a fixed wharf, a boat launch ram, small craft floating docks, a sealift landing ramp and a laydown area to be used for sealift storage, boat storage and parking.

Personnel:

Persons:	30
Days:	122

Project Map

List of all project geometries:

ID	Geometry	Location Name
6970	point	New project geometry

Planning Regions:

Kivalliq

Affected Areas and Land Types

Settlement Area

North Baffin Planning Region

Project Land Use and Authorizations

Project Land Use

Marine-Based Activities

Marine-Based Activities

Permanent Structures

Pits and quarries

Temporary Structures

Winter Access

Licensing Agencies

NIRB: Screening Decision Report

NWB: Type B Licence

DFO: 0

TC: 0

EC: Disposal at Sea Permits

NRCAN: Licence to Import Explosives

NRCAN: Licence to Transport Explosives

Other Licensing Requirements

No data found.

Material Use

Equipment

Type	Quantity	Size	Use
Drill	2 to 3	5 tons	Quarry placing armor stone,
Excavator	3 to 4	30-40 tons	excavating, land-based dredging
Rock Truck	4 to 5	35-40 ton articulating	Rock transportation from quarry to small craft harbour
Front End Loader	2 to 3	966 to 988	Loading and moving rock
Compactor	1	20 tons	Compacting and surfacing roads
Dozer	1	D8	Levelling placed rock and road surfaces
Grader	1	140	Road maintenance
Spud Barge/derrick	1	20m x 50m deck w/150t crane	Dredging, pile installation, moving/lifting materials and equipment
Dump scows	2 to 3	500 m3	Dredging support for disposal at sea
Tug	1	1000 to 1500 horsepower	Support for barge movement
Work boat	1 to 2	varies - 50 to 500 horsepower	Floating equipment moving
Pick up truck	5	crew cab 3/4 ton	Crew transportation
Mini Bus	1	15 passenger	Transportation of crew from camp to worksite
Fuel Service Truck	1	10 tons	fuelling of equipment

Telehandler	1	5 ton	moving materials and equipment
Rough terrain crane	1	80 tons	lifting materials
Rock crusher	2	X	Primary and secondary crusher for quarry rock
Vibratory and/or Impact Hammer	1	X	Driving of Piles

Fuel Use

Type	Container(s)	Capacity	UOM	Use
Diesel	1	1500000	Liters	Mobile equipment, remote generators and heaters. Containers listed as 1 because fuel will be dispensed daily from existing facilities in Arctic Bay. Mobile equipment, remote generators and heaters.
Gasoline	1	15000	Liters	Containers listed as 1 because fuel will be dispensed daily from existing

Propane	30	30	Liters	facilities in Arctic Bay. Heaters - Number of containers is an estimate - container capacity 20 to 30l
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Hazardous Material and Chemical Use

Type	Container(s)	Capacity	UOM	Use
Lubes and Oils	10	200	Liters	Maintenance of mobile equipemnt
Lubes and Oils	10	5	Gallons	Maintenance of mobile equipment
Oxy/acetylene	10	140	Cubic ft	Welding, cutting of steel
Paint	10	4	Liters	Painting wharf hardware & miscellaneous
Explosives	1	40	Metric Tons	Quarrying. Containers to be standard size.

Water Consumption

Daily Amount (m³)	Retrieval Method	Retrieval Location
5	Delivery by Hamlet or Contracted water truck	Hamlet Reservoir

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 *Increased pressure on community infrastructure and support services. Mitigation measures to mitigate these effects will be included in the Construction Environmental Management Plan (CEMP) which will include a Spill Response Plan (SRP)

Waste Management

Waste Type	Quantity Generated	Treatment Method	Disposal Method
Hazardous	2000 L	N/A	Returned to the 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 quarry
Non-Combustible wastes	1 ton	N/A	Hamlet Landfill
Greywater	400 m3	N/A	Hamlet or contractor sanitary truck to Hamlet sewage lagoon
Sewage (human waste)	600 m3	N/A	Hamlet or contractor sanitary truck to Hamlet sewage lagoon
Combustible wastes	5 tons	N/A	Hamlet Landfill