

Project Dashboard

Fisheries and Oceans Canada - Clyde River Small Craft Harbour - Clyde River Geotechnical and Sampling Program (149448)

Proposal Status: Conformity Determination Issued

- **Overview**
- Documents
- Questionnaire

Project Overview

Type of application: **Amendment**

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

Schedule:

Start Date:	2021-03-15
End Date:	2021-04-15
Operation Type:	Seasonal

Project Description:

CBCL-Canadrill has been retained by Fisheries and Oceans Canada - Small Craft Harbours (DFO-SCH) for the Clyde River Harbour Development, which is for the design and construction of a small craft harbour. To execute this, its essential to understand the existing site conditions to support the engineering design. The existing NPC permit (NPC File No. 149159) and NIRB screening was approved in 2019 for the feasibility studies of four small craft harbours in Arctic Bay, Clyde River, Resolute Bay, and Grise Fiord; the scope of this work included field studies of marine, wildlife, vegetation, geoscience, geophysics, and archaeology. It was then extended in 2020 for an additional marine field program. In the spring of 2021, a geotechnical drilling program and environmental assessment sampling program is intended to build on the information that was gathered during the previous two field programs. There are no anticipated changes to the potential effects (marine or terrestrial) in the upcoming program. The study areas will include the future harbour basin and near shore area. A more comprehensive description of field activities, schedules, and equipment can be found in the attached letter.

Summary of Modifications:

The proposed work included in this amendment application is the addition of the Geotechnical and Environmental Assessment Sampling Program in Clyde River, NU.

Personnel:

Persons:	10
Days:	15

Project Map

List of all project geometries:

ID	Geometry	Location Name
6983	point	Clyde River Harbour

Planning Regions:

Kivalliq

Affected Areas and Land Types

Project Land Use and Authorizations

Project Land Use

Bulk Sample
Scientific Research

Licensing Agencies

INAC: Class A Land Use Permit
NRI: Scientific Research Licence

Other Licensing Requirements

No data found.

Material Use

Equipment

Type	Quantity	Size	Use
CME 55 Drill Rig with shack on skids	1	5m x 6m	Geotechnical coring/sampling
Pick-Up truck	4	determined by availability in community	Personnel and equipment transportation
Front End Loader	1	determined by availability in community	Transportation of drill rig and shack
Diesel Generators	2	2m x 3m	Portable power source for drill shack
Herman Nelson Heaters	2	1m x 2m	Heat for drill shack
Water Pump	1	0.5m x 0.5m	Marine water for drilling
Oil fired coil leaters	1	1m x 2m	Prevent waterline from freezing

Fuel Use

Type	Container(s)	Capacity	UOM	Use
Diesel	20	250	Liters	fuel for generator and equipment

Gasoline	10	250	Liters	fuel for equipment
Propane	1	30	Lbs	fuel for heating torch

Hazardous Material and Chemical Use

Type	Container(s)	Capacity	UOM	Use
Hydraulic Oil	15	20	Liters	Drill Rig
0/30 oil	20	4	Liters	Drill Rig
Heavy Duty Bearing Grease	48	1	Liters	Drill Rig
Transmission Fluid	5	4	Liters	Drill Rig
SAE 90 Transmission Oil	20	4	Liters	Drill Rig
Antifreeze	20	4	Liters	Drill Rig

Water Consumption

Daily Amount (m ³)	Retrieval Method	Retrieval Location
38	1.5 water intake pump	marine water for drilling - temporary use

Waste and Impacts

Environmental Impacts

*Terrestrial and marine mammal disturbance; Disruption of fish habitat; spill risks. See attached letter for details and mitigation measures.

Waste Management

Waste Type	Quantity Generated	Treatment Method	Disposal Method
Non-Combustible wastes	10 garbage bags	n/a	Hamlet waste disposal facility
Hazardous waste	600L	n/a	Hazardous waste will be packed into sealed containers

and
transported
south for
disposal at
approved
facility in
accordance
with
regulations