

NPC 150016: Epworth

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Proposal Status: Conformity Determination Issued

[Overview](#) [Documents](#)

[Project Overview](#)

Type of application: New

Proponent name:

Bruce MacLachlan

Proponent company:

Emerald Geological Services

Project Description:

Epworth Project is located in Nunavut, ~500km north of the city of Yellowknife in the Northwest Territories, and ~80 km south-southeast of the town of Kugluktuk. The property is comprised of 440 claim units totaling 6909 hectares. The target minerals are copper, zinc, lead, silver, cobalt and gold. Currently we anticipate that the drilling will be carried out by Cyr Drilling based in Manitoba and the drill program will be managed and supervised by Emerald Geological Services. Emerald and Cyr drilling have decades of experience carrying out and managing safe and environmentally responsible exploration programs. If possible we would like to move ~20 sealed drums of diesel from Kugluktuk to Epworth by Twin Otter and places the drums on land. The drums would be later slung by helicopter to the drill sites. Drillers, pilot and engineer would be based in Kugluktuk and carry out daily crew changes by helicopter. All drill moves will be carried out by helicopter. Currently we anticipate drilling ~12 holes up to 150 metres each deep. Geological staff would stay in a tent on site where the logging and core sampling will take place. All fuel drums, garbage etc. will be removed during and at the end of the program. Drill core will remain cross piled on site for future reference.

[Project Schedule](#)

Start Date:

2024-06-01

End Date:

2024-09-30

[Project Map](#)

List of project geometries:

Id
Geometry
Location Name

[10882](#)

polygon

16557664

[10876](#)

point

Camp 2021

[10877](#)

point

Camp 2022 & Proposed 2024 Camp Site

[10878](#)

point

Camp 2023

[10880](#)

point

EP_23_14

NPC Planning regions:

No Approved Plan

[Project Land Use and Authorizations](#)

Project Land Use:

Mineral Exploration

Mineral Exploration

Licensing Agencies:

Nunavut Water Board

Government of Canada - Crown-Indigenous Relations and Northern Affairs

Canada

[Material Use](#)

Equipment:

Type	
Quantity	
Type	
Use	

Diamond Drill

1

3m x 4m

For core drilling holes up to 150metres long

Pump

1

0.5 x 0.5m
Pump to supply water for drilling
Generator

1

0.5 x 0.5m
To supply power for rock saw
Rock Saw

1

0.7 x 0.5m
Rock Saw to cut core
Helicopter

1

42x26'
To move drill and people
Twin Otter

1

19.8x17.7m
To move people and supplies
Fuel Use:

Type	Container	Capacity	Use
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Gasoline

1

205

Gas for generator
Diesel

20

205

Diesel for drill and water pump

Hazardous Material and Chemical Use:

Type	Container	Capacity	Use
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Calcium Chloride

20

Use in case of drill rods stuff due to perma frost

Water Consumption:

	Daily Amount (m ²)	Retrieval Method	Retrieval Location
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54

natural

Water pump

Waste and Impacts

Environmental Impacts:

We do not anticipate that the proposed rill program will have any direct or indirect effects related to water or waste. Spill kits will be located at all areas of fuel storage and secondary containment berms and or double walled fuel tanks will be used at all areas of fuel storage. The proposed drill program is not located near any know persons or properties. The proposed drill program is located near any bodies of water which could have any known adverse effects on humans.

Waste Management:

	Waste Type	Quantity Generated	Treatement Method	Disposal Method
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Greywater

5 gallons per day

cover with soil

bury in the ground

Overburden (organic soil, waste material, tailings)

11520 gallons per 24 hours

cover with soil

cuttings will be captured and placed in natural depressions

Sewage (human waste)

5 gallons per day

cover with soil

Bury in the ground