

Public Registry - Project Proposals

NPC 150937: Hook Lake Project

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Proposal Status: Conformity Determination Issued

[Overview Documents Questionnaire](#)

[Project Overview](#)

Type of application: Amendment

Proponent name:

Eric Sondergaard

Proponent company:

6106 Resources Ltd

Project Description:

6106 Resources Limited (the Company) is an exploration company based out of Calgary Alberta and is a subsidiary of Manhattan Corporation. The Hook Lake Project is located within the Rankin-Ennadai greenstone belt. The Rankin – Ennadai is the second largest greenstone belt in Canada, however the area has seen only minimal exploration and detailed geological mapping. At Hook Lake, mineralization within the project consists primarily of gold, with various other sulphide metals. The Company holds mineral claims on both Crown Land and Inuit Owned Land (IOL). Proposed early-stage exploration activities include rock and chip sampling, channel sampling, and if available, location and re-sampling of historic core samples. The plan is for work to start mid-July and would likely take up to two weeks depending on weather, aircraft availability, and timeliness of obtaining licenses and permits. It is anticipated that this work would be undertaken with the assistance of helicopter from the community of Arviat, approximately 130km south of the project. Fieldwork would consist of using a hammer to retrieve representative samples of rock. These samples would be labeled, bagged, and sent for geochemical analysis at ALS Laboratory testing in Yellowknife/Vancouver. It is estimated that up to 200 kilograms of sample material could be collected in this program. Historical core samples (if available) would be collected in a similar manner. The proposed work program would require 2 geologists as well as a local person to assist with the sampling program as well as a wildlife monitor hired through the Hunters and Trappers Organization. At this very early stage of exploration, there are modest employment opportunities, but these may grow depending

on the results of exploration. The Company strongly respects the wildlife, the environment and the advice of knowledge holders and will abide by the terms and conditions of all licenses and permits. At the advice of the Arviat CLARC, Kivalliq Inuit Association's Mobile Protection Measures would be adhered to. Previous engagement by Eric Sondergaard took place via the KIA who held two CLARC meetings on April 15 2024 and June 12th 2024. After thorough review, the Arviat CLARC members are in support of the work plan, as it brings potential employment opportunities to the community members of Arviat. The Arviat HTO has been informed about the potential project activities and location, as well as the recommendations by the CLARC committee. Additional information regarding wildlife sensitivities has been sought, and 6106 Resources is optimistic for an open, constructive dialogue. In person meetings have been offered by the company as the permitting process advances. The Company plans to continue to engage the Kivalliq Inuit Association, Community Lands and Resources Committee (KIA CLARC), the HTO as well as the Hamlet of Arviat, throughout the permitting process, as their advice, local knowledge and experiences are integral to the long-term success of the project.

[Project Schedule](#)

Start Date:

2026-08-01

End Date:

2026-10-31

[Project Map](#)

List of project geometries:

Id

Geometry

Location Name

[19023](#)

polygon

[19031](#)

polygon

[19032](#)

polygon

[19037](#)

polygon

[19038](#)

polygon

[19039](#)

polygon

[19033](#)

point

[19034](#)

point

[19035](#)

point

[19036](#)

point

NPC Planning regions:

Keewatin

[Project Land Use and Authorizations](#)

Project Land Use:

Mineral Exploration

Licensing Agencies:

Kivalliq Inuit Association

Nunavut Impact Review Board

Kivalliq Inuit Association

Government of Canada - Crown-Indigenous Relations and Northern Affairs Canada

Kivalliq Inuit Association

Nunavut Impact Review Board

Nunavut Water Board

Nunavut Tunngavik Inc.

Material Use

Equipment:

Type

Quantity

Type

Use

helicopter

1

Bell 407 or similar

Drill moves, crew transport

twin otter

1

16 m long

Resupply and equipment

snowmachines

1-8

200 kg

Transport to/from drills, geophysics, camp support

snowmachines

1-8

200 kg

Transport to/from drills, geophysics, camp support

ATV and trailer

1-4

500 kg

Transport equipment and supplies

inflatable boat

1-2

zodiac or equivalent

Lake bathymetry

diesel generator

1-2

20 kw diesel generator or similar

camp power

water pumps

1-2

10 kg

generator; Drill Rig/camp support

freezer

1

standard

domestic purposes

stove

1

30

domestic purposes

fridge

1

standard

domestic purposes

generator

2

20 kw

Camp/ water pumps

water pump

2

Honda WT20XK4C or equivalent

camp water

incinerator

1

dual chamber

incinerate combustible waste

Pacto toilets

4

standard

human waste disposal

clothes washer

1

standard

domestic clothes washing

clothes dryer

1

standard

domestic clothes drying

Toyo stove

13

L731/732 or equivalent

tent heat

RC Hornet or equivalent reverse circulation drill

1-3

4,400 (all components)

rock chip sampling

Boyles 25A/37 or equivalent diamond drill

1-2

8,600 including rods and casings

rock core sampling

solids removal equipment

1-2

3000 kg each

remove solids from drill water

Frost Fighter Heaters

1-4

150 kg

heat drill shacks

generators

1-4

5 kw Gasoline generator or equivalent

power for water pumps for drilling

Fuel Use:

Type

Container

Capacity

Use

Diesel

200

205

Generator/heating/drill support

Aviation fuel

200

205

helicopter / twin otter refueling

Propane

30

100

cooking

Gasoline

10

205

camp support/Snowmachine/ATV/generator

Other

50

20

oil for generator; Drill Rig/camp support

Other

50

20

drill lubricants

Other

50

20

drill mud additives

Hazardous Material and Chemical Use:

Type

Container

Capacity

Use

diesel

200

205

Generator/heating/drill support

Aviation Fuel

200

205

helicopter and twin otter fuel

gasoline

10

205

camp support/Snowmachine/ATV/generator

propane

30

100

cooking

oil

50

20

oil for generator; Drill Rig/camp support

Water Consumption:

Daily Amount (m²)

Retrieval Method

Retrieval Location

299

nearby water sources

pump from nearby water source that does not freeze to the bottom

Waste and Impacts

Environmental Impacts:

The predicted environmental impacts are likely to be minimal as there will be no camp and the proposed exploration program is for two weeks, and will be based out of Arviat with daily helicopter flights to the exploration area. No low level flights will be allowed with the exception of take off and landing and in case of an emergency. See Fuel Spill Contingency Plan Abandonment and Reclamation Plan, and Wildlife Monitoring and Mitigation Plan

Waste Management:

Waste Type

Quantity Generated

Treatment Method

Disposal Method

Combustible wastes

unknown but expected to be minimal

collect ash in a sealed 45 gallon drum and transport to Arviat for removal to an approved facility

incinerate in dual chambered incinerator

Greywater

unknown but expected to be minimal

buried at the end of the season.

sump with grease trap to avoid wildlife habituation

Hazardous waste

unknown but expected to be minimal

collected and transported to Arviat for removal to an approved facility for disposal

stored in secondary containment

Non-Combustible wastes

unknown but expected to be minimal

for removal to Arviat for disposal to an approved facility for disposal

collected

Overburden (organic soil, waste material, tailings)

unknown but expected to be minimal

solids collected and stored in 45 gallon drums and transported to an approved facility for disposal

solids removed from water

Sewage (human waste)

20 persons x 60 days

human waste collected to be burned in dual chamber incinerator. Ash collected and stored in sealed 45 gallon drums and transported to an approved facility for disposal

pacto toilets