

19 March 2025
NPC File No. 150616

Cassel Kapolak

Manager, Public Registry
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Stephen Grasby

Geological Survey of Canada - Natural
Resources Canada (GSC-NRCan, Proponent)
Calgary, AB
By email: steve.grasby@canada.ca

Dear Cassel Kapolak, Richard Dwyer, Mosha Cote, Jared Ottenhof, Carson Gillis, and Stephen Grasby:

RE: NPC File No. 150616 [Resolute Bay Geothermal Potential]

The following works and activities have been proposed in the above-noted project proposal:

1. Scientific research: The Geologic Survey of Canada, Natural Resources Canada will collect rock samples to assess the geothermal potential near Resolute Bay. To assess the total potential energy production from a rock unit, several physical properties are required to develop models for both heat conduction (heat transfer to the fluid) as well as hydrogeologic (water movement through the rock mass):
 - a. Basic examination of the rock outcrops
 - b. Characterization of rocks
 - c. Small 5-person camps
 - d. NO fuel caching
2. Timing, Duration, & Personnel:
 - a. 14 days over period 1 to 15 July 2025
 - b. 5 personnel for a total of 70 person-days
3. Location: Qikiqtani Region; [Central Dome, Eleanor Lake, and Cape Manning on Cornwallis Island; Burrow Harbour and Lyall River on Devon Island]

A complete description of the project proposal reviewed by the Nunavut Planning Commission (NPC) can be accessed online using the link below.

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The NPC has completed its review of the above-noted project proposal and has determined that it conforms to the North Baffin Regional Land Use Plan (NBRLUP). The proponent has undertaken to comply with the applicable conformity requirements of Appendices C, H, and I of the NBRLUP.

The above-noted project proposal requires screening by the Nunavut Impact Review Board (NIRB) because it does not belong to a class of exempt works or activities set out in Schedule 12-1 of the *Nunavut Agreement*.

By way of this letter, the NPC is forwarding the project proposal with this determination to the NIRB for screening. Project materials, including the applicable conformity requirements, are available at the following address:
<https://lupit.nunavut.ca/portal/registry/registry.aspx?appid=150616>.

The regulatory authorities to which this letter is addressed are responsible under the *Nunavut Planning and Project Assessment Act (NuPPAA)* to implement any of the applicable requirements by incorporating the requirements directly, or otherwise ensuring that they must be met, in the terms and conditions of any authorizations issued.

This conformity determination applies only to the above-noted project proposal as submitted. Proponents may not carry out projects and regulatory authorities may not issue licenses, permits, and other authorizations in respect of projects if a review by the NPC is required. Regulatory authorities may consult with the NPC to obtain recommendations on their duties to implement the existing land use plans prior to issuing licenses, permits, and other authorizations under subsection 69(6) of the *NuPPAA*.

My office would be pleased to discuss how best to implement the applicable requirements and to review any draft authorizations that regulatory authorities wish to provide for that purpose.

If you have any questions, please do not hesitate to contact me at (867) 979-3444.

Sincerely,

A handwritten signature in black ink, appearing to read 'Goump Djalogue'.

Goump Djalogue, MCIP, RPP
Manager of Planning & Implementation
Nunavut Planning Commission