



February 26, 2021

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Dear Mosha Cote, Richard Dwyer, Jared Ottenhof, Talia Maksagak, Kethra Campbell-Heaton:

RE: NPC File # 149481 [Instability of permafrost landscapes from climate change and the hydrological implications to high Arctic watersheds.]

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

1. Scientific Research to study effects of climate change on high Arctic permafrost.
 - a. Atmospheric and energy parameters to be measured using meteorological stations installed.
 - b. Other measurements include soil temperature, moisture and conductivity in the active layer using a 3-in-1 sensor to monitor the soil water budget.
 - c. Stream discharge and water quality using YSI water quality sondes to measure water-level, conductivity, and turbidity.
2. Location: Qikiqtani Region; [Eureka station]

A complete description of the project proposal reviewed by the NPC can be accessed online using the link below.

The Nunavut Planning Commission (NPC) has completed its review of the above noted project proposal. It conforms to the North Baffin Regional Land Use Plan (NBRLUP). The proponent has undertaken to comply with the applicable conformity requirements of Appendix C, H, and I of the NBRLUP. The 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/project-dashboard.php?appid=149481&sessionid=>

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,



Goump Djalogue
Senior Planner, MCIP, RPP
Nunavut Planning Commission