



April 07, 2022  
NPC FILE No. 149748

**Cassel Kapolak**

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Dear Ms. Kapolak, Mr. Cote, Ms. McCaie, and Ms. Coulombe:

**RE: NPC File # 149748 [Coastal hazard assessment in Kugluktuk and Grise Fiord (Aujuittuq), Nunavut]**

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

1. Continue scientific research to establish a quantitative assessment of coastal hazards for two (2) Arctic communities (Kugluktuk and Grise Fiord) which includes the following activities:
  - Drone surveys over the communities to recreate the coastal topography using photogrammetric analysis
  - Offshore buoy and nearshore bottom-mounted sensors to measure wave and water levels
  - Use of portable earth drill to sample permafrost
  - Use of thermistor string and a datalogging system installed in 1 or 2 borehole(s) to monitor/measure permafrost temperatures
  - Excavation of stratigraphic sections in landslide scar to study surficial geology and geomorphology of the area and assess the sensitivity of soil to erosion
  - Installation of a permanent structure of small size: vertical 3-inc ABS pipe rising about one (1) meter out of the ground. This pipe shelters the thermistor cable and the data logger that will measure and record soil temperature data
2. Modifications to the original/amended project proposal: deploy new instrumentation equipped with velocity profilers and loggers for temperature, salinity and pressure. These loggers will be retrieved in September or early October prior to freeze-up.
3. Associated NPC File No: 149466; Related NIRB File No: 21YN021
4. Location: Kitikmeot Region; [Hamlet of Kugluktuk] and North Baffin [Hamlet of Grise Fiord]

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

The NPC has completed its review of the above noted project proposal. The NPC previously reviewed works and activities associated with the current project proposal and a conformity determination was issued February 12, 2021 which still applies. In addition, associated activities were previously screened by the Nunavut Impact Review Board (NIRB FILE No.: 21YN021). 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 above-noted project proposal is exempt from screening by the NIRB because the NPC is of the understanding that the deployment, installation and retrieval of new instrumentation as part of the ongoing research does not change the general scope of the original project activities, and the exceptions noted in Section 12.4.3 (a) and (b) of the Nunavut Agreement do not apply.

By way of this letter, the NPC is forwarding the project proposal to the regulatory authorities identified by the proponent. Project materials are available at the following address:

<https://lupit.nunavut.ca/portal/project-dashboard.php?appid=149748&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) 983-4982.

Sincerely,

A handwritten signature in blue ink, appearing to read 'SA' with a stylized flourish extending from the 'A'.

Solomon Amuno, PhD  
Senior Planner  
Nunavut Planning Commission