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> May 18, 2022 NPC File No: 149771

Talia Maksagak Manager, Technical Administration Nunavut Impact Review Board (NIRB) P.O. Box 1360, Cambridge Bay, NU X0B 0C0 By email: <u>tmaksagak@nirb.ca; info@nirb.ca;</u> <u>kmorrison@nirb.ca</u>

Richard Dwyer

Manager of Licensing Nunavut Water Board (NWB) P.O. Box 119, Gjoa Haven, NU XOB 1JO By email: <u>richard.dwyer@nwb-oen.ca;</u> <u>licensing@nwb-oen.ca</u> Mosha Cote Manager-Research Liaison Nunavut Research Institute P.O. Box 1720 Iqaluit, NU XOA 0H0 By email: <u>mosha.cote@arcticcollege.ca</u>

Andrew Medeiros

Dalhousie University 6100 University Ave, Suite 5010 Halifax Nova Scotia B3P1B1 By email: <u>andrew.medeiros@dal.ca</u>

Dear Ms. Maksagak, Mr. Cote, Mr. Dwyer, Mr. Medeiros:

RE: NPC File # 149771 [Water Resource Assessment for Coral Harbour]

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

- Conduct a reconnaissance field campaign to characterize the river hydrodynamics and to investigate potential sources and pathways for saltwater, including via the river, the shallow subsurface, and sea spray. Additional project activities include:
 - Use of non-invasive instruments to investigate the interactions between the bay and the river and to assess potential subsurface salinity dynamics.
 - Installation of loggers along the river to measure water level, salinity, and temperature to provide new understanding on coastal zone mixing in the river.
 - Use of geophysical instruments to measure the ground electrical resistivity and to map where there are saltwater (low resistivity) and freshwater (high resistivity) zones. Surveys will be taken along the coastline and the riverbanks.
- 2. Associated NPC FILE No: 148788; NIRB File 18YN022
- 3. Summary of modification: undertake water chemistry research in Coral Harbour.
- 4. Location: Kivalliq Region; [Hamlet of Coral Harbour]

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 proposal (conformity determination issued April 5, 2018). This conformity

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The NPC has determined that the above-noted project proposal is a significant modification to the project because of the undertaking of the research in a new community (Coral Harbour). It conforms to the Keewatin Regional Land Use Plan (KRLUP). The proponent has undertaken to comply with the applicable conformity requirements of Appendix C, G, and H of the KRLUP.

The above-noted project proposal requires screening by the NIRB under section 12.4.3 of the Nunavut Agreement as amended because it is for a component or activity that was not part of the original or previously amended proposal and its inclusion is a significant modification of the project.

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: <a href="https://lupit.nunavut.ca/portal/project-dashboard.php?appid=149771sessionid="https://lupit.nunavut.ca/portal/project-dashboard.php?appid=149771sessionid="https://lupit.nunavut.ca/portal/project-dashboard.php?appid=149771sessionid="https://lupit.nunavut.ca/portal/project-dashboard.php?appid=149771sessionid="https://lupit.nunavut.ca/portal/project-dashboard.php?appid=149771sessionid="https://lupit.nunavut.ca/portal/project-dashboard.php?appid=149771sessionid="https://lupit.nunavut.ca/portal/project-dashboard.php?appid=149771sessionid="https://lupit.nunavut.ca/portal/project-dashboard.php?appid=149771sessionid="https://lupit.nunavut.ca/portal/project-dashboard.php?appid=149771sessionid="https://lupit.nunavut.ca/portal/project-dashboard.php?appid=149771sessionid="https://lupit.nunavut.ca/portal/project-dashboard.php?appid=149771sessionid="https://lupit.nunavut.ca/portal/project-dashboard.php?appid=149771sessionid="https://lupit.nunavut.ca/portal/project-dashboard.php?appid=149771sessionid="https://lupit.nunavut.ca/portal/project-dashboard.php?appid=149771sessionid="https://lupit.nunavut.ca/portal/project-dashboard.php?appid=149771sessionid="https://lupit.nunavut.ca/portal/project-dashboard.php?appid=149771sessionid="https://lupit.nunavut.ca/portal/p

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 at (867) 983-4982.

Sincerely,

Solomon Amuno, PhD Senior Planner Nunavut Planning Commission