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NUNAVUT WATER BOARD  
NUNAVUT IMALIRIYIN KATIMAYINGI  
OFFICE DES EAUX DU NUNAVUT

**NWB File No: 3AM-GRA1624**

December 10, 2020

Sarah Collins, P. Eng.  
Government of Nunavut  
Community and Government Services  
PO Box 490  
Rankin Inlet, NU  
X0C 0G0

Email: [scollins@gov.nu.ca](mailto:scollins@gov.nu.ca)

**Subject: Technical Review of the Type ‘A’ Water Licence Amendment Application, File No: 3AM-GRA1624, Government of Nunavut, Community and Government Services.**

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Dear Ms. Collins,

The Nunavut Water Board (NWB or Board) has completed its Technical Review of the amendment application and supporting documentation received on September 16, 2020 (Application), from Government of Nunavut, Community and Government Services (Applicant or GN-CGS), for their municipal Type “A” Water Licence No: 3AM-GRA1624, for the Water Supply Facilities and associated Water Distribution Utilidor System, operated at the Hamlet of Rankin Inlet (Hamlet).

Comments and recommendations are provided below pursuant to the NWB’s mandated responsibilities under the *Agreement between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in Right of Canada* and the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*.

### **1. Water Quantity, Pumping Rates, and Char River Flow**

**Comment:** The water pump has been moved from the Char River to Lower Landing Lake to allow for greater water volume uptake and to lessen the impact on flows in the Char River. With Lower landing lake as the source of the Char River, increased water withdrawal from Lower Landing Lake may also result in reduced flow to the downstream Char River.

**Recommendation:** To provide discussion on how flow will be monitored and maintained in the Char River to ensure it is not significantly impacted and ecological integrity is maintained.



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## 2. Water Pumping Adaptive Management Plan

**Comment:** The water pumping adaptive management plan, including annual updates, currently required by the Licence, for the pumping of water to Nipissar Lake from the Char River provides important information for current operations and future planning. Although annual updates and adaptive management may be less crucial for pumping of water from Lower Landing Lake, this plan remains beneficial to ensure flows are maintained in the Char River, and could be updated to reflect current conditions.

**Recommendation:** Provide an amended Plan to reflect the new pumping location and management practices that will ensure water quantity and quality are maintained in Lower Landing Lake and the Char River.

If you have any questions, please contact the undersigned at [derek.donald@nwb-oen.ca](mailto:derek.donald@nwb-oen.ca) or at (867) 360-6338 (ext. 32).

Sincerely,

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Derek Donald  
Technical Advisor  
Nunavut Water Board

cc. Distribution List – Kivalliq