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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

File: 3AM-PAN1828

August 23, 2023

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RE: Licence No: 3AM-PAN1828 Type “A”; Hamlet of Pangnirtung; 2023 Annual Report Review

Dear Hamlet of Jamie Evic and Gord Z. Marinic:

The Nunavut Water Board (NWB or Board) has completed the review of the 2023 Annual Report (Report) for Type “A” Water Licence No: 3AM-PAN1828 (Licence). The Report was received on March 30, 2023 with an update submitted on April 3, 2023 from the Hamlet of Pangnirtung (Hamlet or Licensee) and its representative Government of Nunavut, Community-Government Services (GN-CGS) and submitted as a requirement under Part B of the Licence. The Report included the *Hydrological and Water Balance Desktop Study Report – Hamlet of Pangnirtung* dated September 21, 2022.

Copies of all documents received during Report review can be accessed through the NWB’s Public Registry and FTP site using the following link:

[ftp://ftp.nwb-oen.ca/registry/3 MUNICIPAL/3A/3AM - Municipality/3AM-PAN1828/3 TECH/B GENERAL/2 ANNUAL RPT/2022/](ftp://ftp.nwb-oen.ca/registry/3_MUNICIPAL/3A/3AM_-_Municipality/3AM-PAN1828/3_TECH/B_GENERAL/2_ANNUAL_RPT/2022/)

On March 30 and April 5, 2023, the NWB distributed the Report to the Qikiqtani distribution list with the deadline for review until June 30, 2023. On June 29, 2023, comments were received from Crown-Indigenous Relations and Northern Affairs (CIRNA).

The table below provides a brief summary of issues found outstanding during the Report review period. The table also provides deadlines for the Licensee to respond to respective recommendations

and concerns. For the Intervener's discussion of these items, please refer to the comment submission referenced above.

No.	Intervener Recommendation / Concern	Deadline to Respond by and Notes
Crown-Indigenous Relations and Northern Affairs (CIRNA)		
1.	Provide: <ol style="list-style-type: none"> Name of undefined water sources; Daily, monthly and annual water withdrawal from Duval River (PAN-1); Reasoning for withdrawing water from Duval River outside of July-August. 	October 18, 2023
2.	Devise a reporting system for measuring the quantity of any discharges to and from the Wastewater Treatment Facilities at Monitoring Stations PAN-2 and PAN-3.	March 31, 2024 (2023 Annual Report)
3.	Provide: <ol style="list-style-type: none"> Dates of discharge from the Sewage Disposal Facility and reason for excluding PAN-3 analytical results for all discharge events; Reason for the maximum concentration of any grab sample on June 22, 2022 being in exceedance for PAN-2. 	<ol style="list-style-type: none"> October 18, 2023 The NWB notes that there are no discharge quality limits for PAN-2.
4.	Provide 2022 sludge removal measurements or provide reason for why this was not done.	October 18, 2023
5.	Provide the 2018 to 2022 Duval River instantaneous flow and mean annual discharge measurements or provide reason for why this was not done. If there are no flow gauges nor levels to monitor the Duval River installed, provide a timeline for when they will be in compliance with Licence Part D, Item 6.	October 18, 2023
6.	Submit the following documents (currently outstanding): <ul style="list-style-type: none"> an updated Water Reservoir Operations and Maintenance Manual; a standalone Drainage / Seepage Monitoring and Management Plan; an updated Spill Contingency Plan; and an updated Quality Assurance/Quality Control Plan 	March 31, 2024 (2023 Annual Report)
7.	Submit the dates when observed flow discharge began and ended at each of Monitoring Program Stations PAN-4, PAN-5 and PAN-6, and provide reason for why only one analytical result was submitted for each station in 2022	October 18, 2023
Nunavut Water Board (NWB or Board)		
1.	The NWB reminds the Licensee of the requirement in Licence Part E, Item 4: "The Discharge of Effluent from Wastewater Treatment Plant at Monitoring	October 18, 2023

	Program Station PAN-3, shall be demonstrated to be Acutely non-Lethal”. Please provide the results of the testing.	
2.	<p>The Board echoes CIRNA’s comment #6 above regarding outstanding submissions. The NWB reminds the Licensee of the requirements in Part E, Item 9 and Part H, Item 2 of the Licence that outline the necessary components of the Drainage / Seepage Monitoring and Management Plan that was to be submitted with the 2018 Annual Report.</p> <p>Additionally, the Board notes that although the updated versions of the Water Reservoir Operations and Maintenance Manual, the Spill Contingency Plan, and the Quality Assurance/Quality Control Plan were submitted by the Hamlet on July 10, 2018, the NWB provided a number of recommendations¹ to be addressed within the updated versions of these documents to be resubmitted to the Board.</p>	March 31, 2024 (2023 Annual Report)
3.	The 2022 Inspection identified a number of incompliances. Please provide a summary of actions taken to address concerns or deficiencies listed in the inspection reports and/or compliance reports filed by an Inspector as required under Schedule B, Item (l) of the Licence.	October 18, 2023

The Board acknowledges that, on July 13, 2023, the Board received correspondence from the Licensee stating that funding was secured in order to conduct the hydrological study of the Duval River as required by Part D, Item 5 of the Licence. The Hamlet committed that “... the project will be carried out over three years”.

If you have any questions, please contact the undersigned at assol.kubeisinova@nwb-oen.ca or (867) 360 6338 (ext. 31).

Best regards,

Assol Kubeisinova
Nunavut Water Board
Technical Advisor

Cc: Distribution List—Qikiqtani

¹ Assol Kubeisinova (NWB) to Bhabesh Roy (GN-CGS), Re: 3AM-PAN1828 Management Plans submission, dated July 12, 2018.