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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

File No.: **3BM-TAL1419**

June 28, 2018

Greg Holitzki
Senior Administrative Officer
Hamlet of Taloyoak
P.O. Box 8
Taloyoak, NU X0B 1B0

Email: SAO@taloyoak.ca

RE: NWB Technical Review of 2017 Annual Report for the Hamlet of Taloyoak; Water Licence No. 3BM-TAL1419

Dear Mr. Holitzki:

The Nunavut Water Board (NWB) has completed a technical review of the 2017 Annual Report.

On March 28, 2018, the NWB acknowledged receipt of the Annual Report and provided it to the Kitikmeot distribution list for information. No comments have been received to date.

The technical review of the Annual Report found that additional information is necessary to meet the following requirements of the Licence:

- Part H, Item 2:

The Licensee shall measure and record, in cubic metres, the daily, monthly and annual quantities of water extracted for all purposes at Monitoring Program Station TAL-1.

The Annual Report did not provide daily quantities or quantities in cubic metres for TAL-1. Monthly and annual quantities from the On Tap Water Delivery System were provided in Litres. While the On Tap Delivery System can act as an effective surrogate for TAL-1, it should be explicitly explained in the Annual Report.

- Part H, Item 3:

The Licensee shall measure and record in cubic metres the daily, monthly and annual quantities of raw sewage offloaded from trucks at Monitoring Program Station TAL-2 for all purposes.

The Annual Report did not provide daily quantities for TAL-2. Monthly and annual quantity estimates of sewage based on the On Tap Water Delivery System was provided in Litres. While the On Tap Delivery System can act as an effective surrogate for TAL-2, it should be explicitly explained in the Annual Report.

- Part H, Item 4:

The Licensee shall sample at Monitoring Program Stations TAL-3 once at the beginning, middle and near the end of discharge.

The Annual Report did not provide analytical data for three different samples from TAL-3. Analytical data was provided for one sample collected on July 12, 2017.

- Part H, Item 5:

The Licensee shall sample at Monitoring Program Station TAL-4, TAL-5 and TAL-6 annually during periods of runoff/seepage, discharge and once at the beginning, middle and near the end of discharge, respectively.

The Annual Report did not provide analytical data for three different samples from TAL-4, TAL-5, and TAL-6. Analytical data was provided for one sample collected on July 12, 2017 for TAL-4 and TAL-6.

- Part H, Item 6:

The Licensee shall report all results of acute toxicity testing as required under Part D, Item 9 within the Annual Report as per Part B, Item 1.

The Annual Report did not provide results of acute toxicity testing.

- Part B, Item 1a states that the Annual Report shall contain:

tabular summaries of all data generated under the “Monitoring Program”;

The Annual Report did not provide analytical data in the form of summary tables. Summarizing the reports generated by the laboratory into a table will allow the Licensee and the NWB to better identify compliance with effluent limits and any trends in the data over time.

- Part B, Item 1d states that the Annual Report shall contain:

the daily, monthly and annual quantities in cubic metres of each and all waste discharged; including the hazardous and non-hazardous waste accepted at the Solid Waste Facilities;

The Annual Report did not provide quantities of solid waste.

Please provide this information in the 2018 Annual Report and all future reports. If for some

reason data or information is not available, include a discussion indicating:

- What information is missing;
- Why it was not provided; and
- Steps being made to provide it in the future.

The NWB notes that the Licensee has not provided all the submissions previously required by the Licence:

- Part F, Item 1:

The Board has approved the Plan entitled: “Operation and Maintenance Manual for the Water Treatment Plant at Taloyoak, Nunavut”, dated May 2012 and submitted as additional information within the renewal Application. The Licensee shall submit an **updated Plan** for Board review by March 31, 2015 to take into consideration, at a minimum, the comments received during the review of Application and to provide Spill Contingency Planning within the Water Supply Facilities.

To date, the NWB has no record of receiving this information which was due on March 31, 2015.

- Part F, Item 2:

The Board has approved the Plan entitled: “Hamlet of Taloyoak, Nunavut, Sewage Treatment Facility Operation and Maintenance (O&M) Plan”, dated August 10, 2014 and submitted as additional information within the renewal Application. The Licensee shall submit an **updated Plan** for Board review by March 31, 2015 to take into consideration, at a minimum, the comments received during the review of Application and to make the Plan consistent with Licence Monitoring Program.

To date, the NWB has no record of receiving this information which was due on March 31, 2015.

- Part F, Item 3:

The Board has approved the Plan entitled: “Hamlet of Taloyoak, Nunavut, Solid Waste Facility Operation and Maintenance (O&M) Plan”, dated October 24, 2014, and submitted as additional information within the renewal Application. The Licensee shall submit an **updated Plan** for Board review by March 31, 2015 to take into consideration, at a minimum, the comments received during the review of Application and to make the Plan consistent with Licence Monitoring Program requirements. The updated Plan shall also provide detailed management plan and procedures regarding the Hazardous Waste.

To date, the NWB has no record of receiving this information which was due on March 31, 2015.

- Part F, Item 4:

An inspection of all engineered facilities related to the management of water and

waste shall be carried by an Engineer (Civil, Municipal or Geotechnical) annually and before commissioning any facility. The **Engineer's report** shall be submitted to the Board within sixty (60) days of the inspection, including a Cover Letter from the Licensee outlining an implementation plan addressing each of the Engineer's recommendations.

To date, the NWB has no record of receiving this information for the 2017 inspection.

- Part G, Item 2:

The Licensee shall submit to the Board for approval, by March 31, 2015, an **Abandonment and Restoration (A&R) Plan for the old Water Treatment Facility**.

To date, the NWB has no record of receiving this information which was due on March 31, 2015.

Should you have any questions, please feel free to contact us at (867) 360-6338, at your earliest convenience.

Sincerely,

Richard Dwyer
Nunavut Water Board,
Manager of Licensing

Cc: Distribution List – Kitikmeot