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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

File No.: **3BM-RES1520 and 3BM-RUT1520**

December 5, 2019

Angela Idlout
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**RE: NWB Technical Review of 2018 Annual Reports for the Hamlet of Resolute;
Municipal Water Licence No. 3BM-RES1520 and 3BM-RUT1520**

Dear Ms. Idlout and Mr. Roy:

The Nunavut Water Board (NWB) has completed a technical review of the 2018 Annual Reports for the Hamlet of Resolute solid waste management facilities (3BM-RES1520) and utilidor water and sewer system distribution facility (3BM-RUT1520), both reports were received March 26, 2019. On March 27, 2019, the NWB acknowledged receipt of these Annual Reports and provided them to the Qikiqtani distribution list for information. No comments have been received.

The technical review of the Annual Report found the following improvements could be made to future Annual Report submissions:

- Measure water use volumes directly at the uptake location and sewage discharge volumes directly at the discharge. Water use and sewage discharge are currently measured at the “On Tap Delivery System,” that does not account for water used in the bleeder system to prevent pipes from freezing; and
- Provide a brief discussion for all monitoring sites of the Monitoring Program under Part H, Item 1 of both Licences. For example, provide reasoning for why data was not provided for solid waste facility discharge (Monitoring Station 1571-5), and provide some interpretation of the analytical results;

In addition, a number of compliance issues have been identified by CIRNA Inspections,¹ and the NWB strongly recommends that the Licensee review these reports and address issues with applicable information in subsequent Annual Reports. These issues include but are not limited to the outstanding management plans required by Part F, Item 1, of Licence 3BM-RUT1520, and

¹ Crown-Indigenous Relation and Northern Affairs (CIRNA) Inspection Report for 3BM-RUT1520, July 21, 2018; Crown-Indigenous Relation and Northern Affairs (CIRNA) Inspection Report for 3BM-RES1520, July 23, 2017.

as indicated below:

- a. Operation and Maintenance Plan for the Water Supply Facility;
- b. Operation and Maintenance Plan for the Utilidor;
- c. Operation and Maintenance Plan for the Sewage Disposal Facility;
- d. Abandonment and Restoration Plan
- e. Spill Contingency Plan; and
- f. Quality Assurance/Quality Control (QA/QC) Plan.

The NWB recognizes that both of these Water Licences expire on March 29, 2020, and have been advised that the general plan is to combine the scopes of these Licences into a single new Type “A” Water Licence, in accordance with the *Nunavut Water Regulations, Schedule 2*, that requires a Type “A” Water Licence for water use above 300 cubic metres per day, which the Hamlet will exceed when accounting for bleed water used to prevent pipes from freezing, which constitutes “use” under the *Nunavut Waters and Nunavut Surface Rights Tribunal Act, Part 1, Section 4*. As such, the NWB recommends that the above mentioned Management Plans be included as part of this application package.

The Hamlet of Resolute indicated in their annual reports that plans to develop a new solid waste facility are under development, that the old solid waste facilities are planned for abandonment and reclamation, and that a contaminated soil remediation plan is being developed to manage materials previously contaminated with hydrocarbons at the existing water intake pump station. The NWB recommends that the Licensee include these activities, as well as associated management plans in the Water Licence Application Package, and keep the Board informed on their progress.

Please provide all requested information and a brief summary of work done to address all issues brought forth by the NWB, inspectors, or other parties, in future Annual Reports. Included with this correspondence is an NWB Annual Report Form Template for Municipalities (excel spreadsheet) that will help the Licensee provide the correct information in the correct units, and should be filled out and included in the submission of future annual reports.

Should you have any questions, please contact me by email derek.donald@nwb-oen.ca , or by phone at (867) 360-6338 (extension 32), at your earliest convenience.

Sincerely,



Derek Donald
Nunavut Water Board,
Technical Advisor

Cc: Distribution List – Qikiqtani