

September 6, 2019

Mayor Andrew Charlie
Hamlet of Aklavik
P.O. Box 88
Aklavik, NT X0E 0A0

Dear Mayor Charlie:

Re: N3L3-0570 - Hamlet of Aklavik, Municipal Water Licence – Application Renewal

As a component of the Inuvialuit Water Board water licence application process, comments on the application are requested from government departments that hold a regulatory interest in water and waste management in the Northwest Territories, including the GNWT Department of Environment and Natural Resources (ENR). In consideration of ENR's review comments provided to the IWB, the IWB has determined that additional information is required for the operation and maintenance of the waste disposal facilities. Please provide the following additional information in order for the IWB to complete the application review process:

1. Solid Waste Disposal Facilities:

- a. Provide as-built drawings or design drawings of recent upgrades (road and berm). Should these be unavailable, provide:
 - schematics including north arrows;
 - leachate flow direction;
 - leachate outlet point and receiving water body and/or wetland and other features.
- b. Provide a map or drawing indicating the location of the leachate outlet point from the solid waste disposal facilities (i.e. Surveillance Network Program (SNP) sampling stations), with associated Global Positioning System (GPS) coordinates (Note: Due to inconsistencies between individual GPS units, Google Earth latitude and longitude should be utilized as the GPS points).

2. Sewage Waste Disposal Facilities:

- a. Are flow control structures used in the lagoon system? If "Yes" identify type, quantity and purpose of control structure (e.g. stop logs, valves, raw sewage discharge chute, specify if there are other control structures);
- b. How are hazardous wastes and other unacceptable wastes kept out of the Sewage Waste Disposal Facilities?
- c. Provide a map representing the Sewage Disposal Facilities - from the initial discharge point (at lagoon) all the way to the final discharge point (and receiving environment).
- d. As indicated within the Sewage Waste Disposal Facilities Operation and Maintenance Plan (page 20, section 16):
 - clarify the differences between an unlawful discharge and an emergency discharge; and

- the frequency/number of occurrences at which this might have occurred in the past;
 - e. Specify the elevation of Clearing Lake Sewage Lagoon, and/or otherwise describe if the Clearing Lake Sewage containment capabilities may be breached during a flood.
3. **Spill Contingency Plan:**
- a. Provide a relevant response to spills that may be occurring during flood events, including preventive mitigation measures and prompt recovery procedures.
4. **Water Licence Application Questionnaire for Municipal Undertakings**
- a. Section 4, page 11 of the Questionnaire states that no spills have occurred in the past 5 years. A Spill report of January 09, 2019 indicates a sewage spill at the sewage truck discharge location. Please provide:
 - the date, type, quantity and location of the spill; and
 - the method used to clean the spill and the results of the clean-up; and
 - b. Provide details of the tank farm, as indicated in the Background Report (section 3.2, line 9).

Please submit a response to the IWB by **September 17, 2019** and address each item listed above for the IWB to continue processing the renewal application in a timely manner. Should you have any questions please contact me at 867-678-8610 or adhikarib@inuvwb.ca.

Sincerely,



Bijaya Adhikari, PhD
Science and Regulatory Coordinator

cc: Fred Behrens, SAO - Hamlet of Aklavik