



Hamlet of Tuktoyaktuk

P.O. Box 120

Tuktoyaktuk, NT X0E 1C0

Attention: Mrs. Lucy Kuptana

Re: Request for Emergency Sewage Lagoon Decant

File Number: N5L3 – 0714

Type of Operation: Type B – Municipal

Dear Mrs. Kuptana,

It has come to my attention that the Hamlet of Tuktoyaktuk has requested to conduct an emergency decant at the Sewage Disposal Facility (Sewage Lagoon). The purpose of this emergency decant is to lower the effluent levels in the sewage lagoon to achieve and maintain the required freeboard limit as defined in Part D.4 of Water License N5L3 – 0714, and to access and conduct maintenance work on the facility containment berms. Ultimately, an emergency decant is required to maintain the integrity of the facility's containment berms and to prevent an uncontrolled release.

The Sewage Lagoon was sampled on August 10, 2023. I have reviewed the sample results and noted that the pH (9.77) exceeded the license Effluent Quality Criteria (EQC). However, given the poor structural integrity of the lagoon containment berms and to prevent an uncontrolled release, **I authorize an emergency decant of the Hamlet's Sewage Lagoon. The decant may begin September 29, 2023 and continue to Oct 20, 2023.**

The emergency decant is subject to the following conditions:

- Discharge must be slow and gradual to prevent any erosion and sediment loading into the receiving environment; and
- Samples are to be taken before, once during and at the end of discharge to compare to license EQC. Please forward any results to the Inspector and Board for review; and
- The Hamlet of Tuktoyaktuk must adhere to all applicable conditions in the Water License.

If you have any questions regarding the above, and/or if additional information is required, please contact me at 867 678 8090, Ext: 24659.



Sincerely,

Lloyd Gruben
Water Resource Officer
Dept of ECC, GNWT
Bag service #1, 86 Duck Lake Road
Inuvik, NT X0E 0T0

cc:

Mardy Semmler - Executive Director - Inuvialuit Water Board

Bijaya Adhikari - Science and Regulatory Co-ordinator - Inuvialuit Water Board

Donald Arey – Regional Superintendent - Land and Water - ECC Beaufort Delta Region

Wendy Bidwell – Senior Water Resource Officer – ECC – Compliance and Officer Services