



Hamlet of Tuktoyaktuk
P.O. Box 120
Tuktoyaktuk, X0E 0T0

Sept. 20, 2021

Attention: Shawn Stuckey, SAO, Hamlet of Tuktoyaktuk

Re: Emergency Controlled Sewage Lagoon Decant

File Number: N5L3 - 0714

Type of Operation: Type B – Municipal

Dear Mr. Stuckey,

It is understood that the Hamlet of Tuktoyaktuk wishes to do a emergency decant at the Sewage Disposal Facility (Sewage Lagoon). The purpose of this emergency decant is to lower the water levels in the sewage lagoon to achieve and maintain the required freeboard limit as defined in Part D:, Item 4 Water License N5L3 - 0714. It is understood that this emergency decant must occur to maintain the integrity of the sewage lagoon and to prevent an eventual uncontrolled discharge.

Further, the sewage lagoon was sampled on August 31, 2021, to provide for a decant. The results were reviewed by Environmental and Natural Resources, Inuvik Regional Office and it was found that the ph was above criteria, with the lagoon berm beginning to erode, to prevent further damage to the berm and to prevent uncontrolled discharge, the emergency decant is approved.

Upon review of the photo's provided and the concern about the structural integrity of the sewage lagoon, it is decided to allow for the controlled emergency decant to maintain the required freeboard and the ultimately prevent uncontrolled discharge. **The Hamlet of Tuktoyaktuk is authorized to discharge via emergency decant.**

This decision is based on the following:

1. An adequate freeboard (less than 1m) jeopardizes the structural integrity of the lagoon.

The discharge (decant) is subject to the following conditions:

1. Discharge as slow as possible and in a regulated manner. This will allow for high dilution as sewage water slowly moves through the system:
2. Only decant to the permitted freeboard of 1 m (Part D, Item 4 in the Water License N5L3 - 0714). This will ensure the structural integrity of the lagoon: and
3. The Hamlet of Tuktoyaktuk must adhere to all applicable conditions in the Water License
4. Samples are to be taken before and once during discharge to see if criteria of the Water License met.

If you have any questions or concerns regarding this enclosed, and/or if additional information is required, please contact me at 867 – 678 -6653

Sincerely,

Lloyd Gruben
Water Resource Officer
Dept. of ENR, GNWT
P.O. Box 2749
Inuvik, NT, X0E 0T0



Government of Northwest Territories
Gouvernement des Territoires du Nord-Ouest

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Cc:

Ernie Francis, A/Manager, Wildlife & Environment, ENR

Mardy Semmler, Executive Director, Inuvialuit Water Board

Bijaya Adhikari, Science and Regulatory Coordinator, Inuvialuit Water Board



