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Sept. 27, 2017

Hamlet of Tuktoyaktuk
P.O. Box 120
Tuktoyaktuk, NT X0E0T0

Attention: Davy Krengnektak, Municipal Works Manager

Re: Controlled Sewage Lagoon Decant Request

File number: N5L3 – 0714
Type of Operation Type B – Municipal

Dear Mr. Krengnektak,

It is understood that the Hamlet of Tuktoyaktuk wishes to decant at the Sewage Disposal Facility (Sewage Lagoon). The purpose of this decant is to lower water levels in the sewage lagoon to achieve and maintain the required freeboard limit as defined in Part D, item 4 Water Licence N5L3 – 0714. It is understood that this decant must occur to maintain the structural integrity of the sewage lagoon and to prevent an eventual uncontrolled discharger.

Further, the sewage lagoon was sampled on September 14, 2017 to provide for decant. The results were reviewed by Environment and Natural Resources Inuvik Region Office and it was found that the sewage analysis are all within Water Licence discharge criteria as defined in Part d, item 2.

Upon review of the preliminary results and the concern about the structural integrity of the sewage lagoon, it is decided to allow for the controlled decant to maintain the required freeboard and the ultimately prevent uncontrolled discharge, **the Hamlet of Tuktoyaktuk is authorized to discharge.**

This decision is based on the following:

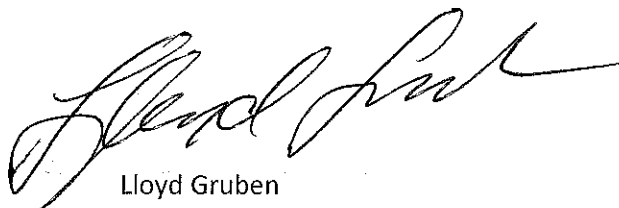
1. An adequate freeboard (less than 1 m) jeopardizes the structural integrity of the lagoon.

The discharge 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 1m (Part D, Item 4 in the Water Licence). This will ensure the structural integrity of the lagoon: and
3. The Hamlet must adhere to all other applicable conditions in the Water Licence.

If you have any questions or concerns regarding this enclosed, and/or if additional information is required please contact me at (867) 678 – 6676.

Sincerely,



Lloyd Gruben

Water Resource Officer

Environment and Natural Resources

Inuvik Region

CC: Norman Snowshoe – A/Superintendent, GNWT ENR Inuvik Region

Mardy Semmler – Executive Director, Inuvialuit Water Board

Bijaya Adhikari – Science and Regulatory Coordinator, Inuvialuit Water Board