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October 4, 2016

Hamlet of Tuktoyaktuk
PO Box 120
Tuktoyaktuk, NT X0E 1C0

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 discharge.

Further, the sewage lagoon was sampled on September 14, 2016 to provide for a 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 was decided to allow for the controlled decant to maintain the required freeboard and ultimately prevent uncontrolled discharge, **the Hamlet of Tuktoyaktuk is authorized to discharge.**

This decision is based on the following:

1. An inadequate freeboard (less than 1 m) jeopardises 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 1 m (Part D, Item 4 of 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 the enclosed, and/or if additional information is required please contact me at (867) 678-6676.

Sincerely,

Philippe Thibert-Leduc
Water Resource Officer
Environment and Natural Resources
Inuvik Region

Cc: Stephen Charlie – Superintendent, GNWT ENR Inuvik Region
Mardy Semmler – Executive Director, Inuvialuit Water Board
Bijaya Adhikari – Science and Regulatory Coordinator, Inuvialuit Water Board