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August 23, 2016

Hamlet of Fort McPherson
P.O Box 57
Fort McPherson, NT, X0E 0J0

Attention: Osei Bosompem, Municipal Administrator

RE: Controlled Sewage Lagoon Decant Request

File Number G03L3-001
Type of Operation CLASS B - MUNICIPAL

Dear Mr. Bosompem,

It is understood that the Hamlet of Fort McPherson wishes to decant the sewage lagoon (the 'Lagoon'). The purpose of this decant is to lower water levels in the Lagoon to achieve and maintain the required freeboard limit as defined in Part D, Item 3 and 6 in Water Licence G03L3-001. It is understood that this decant must occur to maintain the structural integrity of the Lagoon and to prevent an eventual uncontrolled discharge.

Further, the Lagoon was sampled on August 11, 2016 to provide for a decant. The results were reviewed by the 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 Lagoon, it was decided to allow for the controlled decant to maintain the required freeboard and ultimately prevent uncontrolled discharge, **the Hamlet of Fort McPherson 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. Furthermore, do not fully open the sewage decant control structure during the discharge;
2. Only decant to the permitted freeboard of 1 m (Part D, Item 3 of the Water Licence). This will ensure the structural integrity of the lagoon; and
3. Ensure that Part D, Item 1 of the Surveillance Network Program under the Water Licence is followed throughout the duration of the decant.

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: Martin Callaghan – Acting Superintendent, GNWT ENR Inuvik Region
Leonard DeBastien – Executive Director, Gwich'in Land and Water Board
AlecSandra Macdonald – Regulatory Specialist, Gwich'in Land and Water Board