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Building Nunavut Together
Nunavut iluqatigiingniq
Bâtir le Nunavut ensemble

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Department of Community and Government Services
Nunalingni Kavamatkunnilu Pivikhaqautikkut
Ministère des Services Communautaires et gouvernementaux

Atuat Shouldice
Water Resource Officer
Indigenous and Northern Affairs
Kivalliq Regional Office
Ikingutigiit Center Suite 1, PO Box 129
Rankin Inlet, NU X0C 0G0

April 19, 2018

Dear: Atuat Shouldice;

As per Part D, Item 4 of the Hamlet of Arviat Water Licence No. 3AM – ARV1016, this is notification of plans to discharge waste from the sewage lagoon. An emergency decant of the sewage lagoon has to take place as soon as possible, and immediate approval is requested.

The sewage lagoon in Arviat has filled to the top of the berm (see Figure 1 below). The sewage lagoon is designed with an exfiltration berm on the south side that releases effluent once the berm thaws over the course of the summer. In order to prevent catastrophic failure of the berm, an emergency decant to 1 m below the top of berm (minimum freeboard as per Part D, Item 3 of the Licence) needs to occur as soon as possible.

The weather in Arviat is expected to warm up significantly to above zero over the next couple days (see Figure 2 below), further increasing the urgency to begin the decant. Samples will be taken later today to confirm if effluent meets the criteria set out in Part D, Item 2 of Water License No. 3AM – ARV1016, however we request permission to decant even if effluent quality exceeds criteria in this emergency situation.

Your prompt response to this letter is appreciated. Should you have any questions, please contact me at 867-645-8176 or scollins@gov.nu.ca.

Sincerely,

Sarah Collins
Municipal Planning Engineer
Community and Government Services
Kivalliq Region, Government of Nunavut

cc: Steve England, Senior Administrative Officer, Hamlet of Arviat
Erik Alain, Indigenous and Northern Affairs
Megan Lusty, Community and Government Services
NWB Licencing Department

Figure 1: Arviat Sewage Lagoon at Top of Berm



Figure 2: Arviat Weather Forecast

