



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

May 24, 2019

RE: Arivat Sewage Lagoon Emergency Decant, Water Licence No. 3AM-ARV1016

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 is needed to take place beginning next week (May 30, 2019), and approval is requested.

The sewage lagoon in Arviat has filled to the top of the berm (see Figure 1). 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 failing of the berm, an emergency decant to 1 m below the top of the berm (minimum freeboard as per Part D, Item 3 of the Licence) needs to occur.

The weather in Arviat is expected to remain near zero in the coming days, increasing melt and the urgency to begin the decant. Samples will be taken during the decant for comparison to effluent criteria set out in Part D, Item 2 of Water Licence No. 3AM-ARV1016, and reported to Crown-Indigenous Relations and Northern Affairs (CIRNAC).

A similar emergency decant was requested last spring on April 19, 2018 and received permission from CIRNAC the same day (see Appendix A). The Government of Nunavut, Department of Community and Government Services (GN-CGS) has identified that the Hamlet of Arviat sewage lagoon is nearing capacity and will be conducting a feasibility study during summer 2019 to evaluate options prior to moving into the design and construction phases for new wastewater treatment infrastructure.

Your prompt response to this letter is appreciated. Should you have any questions, please contact me at 867-975-5478 or [mlusty@gov.nu.ca](mailto:mlusty@gov.nu.ca).



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

*Mary Lee*

cc: Steve England, Senior Administrative Officer, Hamlet of Arviat  
Daniel Kablutsiak, Director of Public Works, Hamlet of Arviat  
Justin Hack, Manager, Field Operations, CIRNAC  
Connor Faulkner, Municipal Technical Officer, GN-CGS  
NWB Licensing Department

**Figure 1: Arviat Sewage Lagoon at Top of Berm**





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

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## Lusty, Megan

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**From:** Shouldice, Atuat (AADNC/AANDC) <atuat.shouldice@canada.ca>  
**Sent:** April 19, 2018 3:07 PM  
**To:** Collins, Sarah  
**Cc:** Lusty, Megan; sao@arviat.ca; licensing@nwb-oen.ca; Allain, Erik (AADNC/AANDC)  
**Subject:** RE: Permission Request - Emergency Decant of Arviat Sewage Lagoon

Hello Sarah

You have permission to decant the Arviat sewage lagoon 1 meter below top of berm.

Thank you

Atuat Shouldice  
Phone: 867-645-2840  
[Atuat.Shouldice@canada.ca](mailto:Atuat.Shouldice@canada.ca)

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**From:** Collins, Sarah [<mailto:SCollins@GOV.NU.CA>]  
**Sent:** Thursday, April 19, 2018 1:47 PM  
**To:** Shouldice, Atuat (AADNC/AANDC)  
**Cc:** Lusty, Megan; [sao@arviat.ca](mailto:sao@arviat.ca); [licensing@nwb-oen.ca](mailto:licensing@nwb-oen.ca); Allain, Erik (AADNC/AANDC)  
**Subject:** Permission Request - Emergency Decant of Arviat Sewage Lagoon

Hello Atuat,

Please find the attached letter requesting permission to do an emergency decant of the sewage lagoon in Arviat to 1 m below the top of berm.

Please contact me with any questions.

Thank you,

Sarah Collins  
Municipal Planning Engineer  
Community and Government Services  
Kivalliq Region, Government of Nunavut  
Phone: 867-645-8176



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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](mailto: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

