

**NWB Tools****Richard Dwyer** <richard.dwyer@nwb-oen.ca>

RE: Decanting during the month of July

Monteith, Joseph (AADNC/AANDC) <joseph.monteith@canada.ca> Sat, Jul 7, 2018 at 11:28 AM
To: Maria Karveli <M.Karveli@city.iqaluit.nu.ca>
Cc: "Allain, Erik (AADNC/AANDC)" <erik.allain@canada.ca>, "licensing@nwb-oen.ca" <licensing@nwb-oen.ca>, "Mesher, Jonathan (AADNC/AANDC)" <jonathan.mesher@canada.ca>, "Eslam.Maher@colliersprojectleaders.com" <Eslam.Maher@colliersprojectleaders.com>

Thank you Maria,

Due to the damage of the Salsness filter in the Waste Water Treatment Plant(WWTP) which requires immediate shut off for repairs and its inability to provide mandatory primary treatment, and as per Part E, section 1, I acknowledge that you are authorized by the Nunavut Water Board license 3Am-IQA1626 to divert waste water from the WWTP to the Sewage Lagoon Facility.

Due to the critical condition of the Sewage Lagoon which may overflow, the current unpredictable weather, the decanting of the WWTP to the Lagoon, I authorize an emergency discharge as per Part E, Section 15 ahead of the 15 days prior to discharge. Thank you for the requested information.

Apologizes for the late reply. This was sent outside of the normal working day. Thank you for being patient, and adhering to the terms of the water license.

Regards,

JM

Joseph Monteith

Water Resources Officer

Qiqiktani region

Indigenous and Northern Affairs Canada

P.O. Box 2200

Iqaluit, NU

X0A 0H0

Ph: 867 975-4289

Fax: 867 979-6445

Email: joseph.monteith@canada.ca

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Indigenous and
Northern Affairs Canada

From: Maria Karveli [mailto:M.Karveli@city.iqaluit.nu.ca]
Sent: Friday, July 06, 2018 5:59 PM
To: Monteith, Joseph (AADNC/AANDC)
Cc: Mesher, Jonathan (AADNC/AANDC); Maher, Eslam
Subject: RE: Decanting during the month of July

Dear Joseph,

Thank you for your response to my request outlined below. The City of Iqaluit would like to inform you that the Salsness filter in the Wastewater Treatment Plant is currently damaged and requires immediate shut off for repairs. The repairs are estimated to take a day, during this period, the waste water treatment plant will not be able to perform the required mandatory primary treatment. The City will be forced to divert the flow to the lagoon for the period of this shutdown. It should be noted, that the waste water treatment plant has not yet been upgraded, therefore, this diversion is authorized by the water license outlined in Part E point 1.

Please note that due to the current weather conditions and the excessive flows that the City is producing, the lagoon is currently in a critical condition and is expected to overflow. Should overflow occur, this will result in serious consequences to the surrounding environment and the general public health. Therefore, we would like to request your immediate instructions to commence the decanting of the lagoon as per Part E, Point 15 of the water license.

The following is the requested data as per the water license :

- a. Proposed quantity of discharge; 5000 m³
- b. Reason for discharge; primary treatment of the sewage flow / repair of primary filter
- c. Identification of the Final Discharge Location; valve connection at WWTP
- d. Proposed sampling and analysis to be conducted; before, during and after
- e. Proposed mitigation measures to be implemented: Lagoon decanting for approximate 2 weeks

The attached action plan was submitted to the health department, and as per Part E point 2 of the water license, we would like to inform you that this is a planned shutdown to test the lagoon's capability in providing the required and necessary treatment during the period of construction for upgrading the Waste Water Treatment Plant.

Please note that any further delay in diverting flow to the lagoon, jeopardizes the public's safety, health and environment.

The City of Iqaluit appreciates your support and quick response on this matter.

Best Regards,

Maria Karveli

A-Superintendent of Water and Sewer

Department Public Works and Engineering, City of Iqaluit

PO Box 460

Iqaluit, NU

Office: 867-979-5636

Mobile: 867-222-4612

M.Karveli@city.iqaluit.numca

From: Monteith, Joseph (AADNC/AANDC) <joseph.monteith@

Sent: July-04-18 5:38

To: Maria Karveli <M.Karveli@city.iqaluit.nu.ca>

Subject: RE: Decanting during the month of July

Hello,

In regards to your request to do an emergency decant of the WWTP due the unpredictable month for showers. As per subsection 15 of the City of Iqaluit's water license 3AM-IQA1626, an emergency discharge is allowed, following a written submission to the inspector, and the board at least 15 days prior. I will register the time stamp of July 4 as the start of the 15 period and allow the discharge to take place on July 18, 2018. The Nunavut Water Board License says:

"The Inspector may authorize an emergency Discharge, following the Licensee's written submission to the Inspector and to the Board, at least fifteen (15) days prior to discharge or as instructed by the Inspector, that includes the following information:

- a. Proposed quantity of discharge;
- b. Reason for discharge;
- c. Identification of the Final Discharge Location;
- d. Proposed sampling and analysis to be conducted; and
- e. Proposed mitigation measures to implemented. "

Can you please elaborate on the proposed quantity of the discharge per day, any mitigation measures to be implemented. Again, As per the water license include the Nunavut Water Board on any future requests, or "CC" them on your requests to me. I would follow the terms and conditions of the water license. I don't want to provide you with a blanket authority to discharge when you feel the lagoon is going to overflow. Inform me of it reaching capacity, and I'll inspect the site, and provide you with the instruction to discharge if need be as per the water license.

Regards,

JM

Joseph Monteith

Water Resources Officer

Qiqiktani region

Indigenous and Northern Affairs Canada

P.O. Box 2200

Iqaluit, NU

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From: Maria Karveli [<mailto:M.Karveli@city.iqaluit.nu.ca>]
Sent: Wednesday, July 04, 2018 9:39 AM
To: Monteith, Joseph (AADNC/AANDC)
Cc: Maher, Eslam
Subject: Decanting during the month of July

Hi Joseph

In the month of July, for many reasons (operational and construction), we need to divert the waste water to the lagoon and possibly to the Bay. The month of July is an unpredictable month for showers, so I propose to monitor the discharging to the lagoon and decant to the Bay any time we think that the lagoon is ready to overflow. We are going to have all tests done (prior, during and after), monitor the flow, and report the total amount of waste water decanted to the Bay.

In this case we will not have time for approval so we ask for approval from now with dates in July but not known at the moment.

Should you have any questions please do not hesitate to call me

Sincerely,

Maria Karveli

Acting Superintendent

Utilidor, Water & Sewer Truck Services

City of Iqaluit

Box 460, Iqaluit, NU

X0A 0H0

Work: **(867) 979-5636**

Mobile: **(867) 222-4612**

Email: m.karveli@city.iqaluit.nu.ca

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Sent: July-04-18 5:38 PM
To: Maria Karveli <M.Karveli@city.iqaluit.nu.ca>
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