



## 821094 - Iqaluit Water Emergency - Water Licence 3AM-IQA1626 Modification (CAF ROWPU), Clarification

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Sat, Nov 27, 2021 at 6:43 PM

To: Assol Kubeisinova <assol.kubeisinova@nwb-oen.ca>

Cc: Licensing Department <licensing@nwb-oen.ca>, Amy Elgersma <a.elgersma@iqaluit.ca>, Shane Turner <S.Turner@iqaluit.ca>, "Dixon Weir (Dixon.Weir@gmail.com)" <Dixon.Weir@gmail.com>, "Mearns, Jamesie" <JMearns@gov.nu.ca>, "Major Scott Purcell (SCOTT.PURCELL@forces.gc.ca)" <SCOTT.PURCELL@forces.gc.ca>, "Dewar, Spencer (AADNC/AANDC)" <spencer.dewar@canada.ca>, "Allain, Erik (AADNC/AANDC)" <erik.allain@canada.ca>

Good evening Assol:

I understand that the Canadian Armed Forces (CAF) are looking to adjust their workplan, given recent challenges with the weather in Iqaluit – their operations were suspended earlier in the week, as strong winds had damaged a tent, which provided an enclosure for the ROWPU.

Their new workplan will still consider pumping water from the Sylvia Grinnell River; however, it will now be trucked to an existing military hanger near the Iqaluit International Airport – the ROWPU will be located there. The adjustment from the plan is the handling of the return water (discharge from the ROWPU). As per the CAF original workplan, their return water (concentrate) was going to be discharged into a ravine, which would ultimately discharge to the Sylvia Grinnell River. Wash water (or waste generated when cleaning the unit with chemicals) would be neutralized and discharged into the City's Sewage Lagoon, as per the Sewage Lagoon O&M. The CAF is now requesting to discharge the return water into a pond near the military hanger (see photo below for reference).



With respect to discharging concentrate, the City would also like further clarity regarding instructions provided by the NWB, which requested that waste product from the ROWPU be discharged to the WWTP . As per the CAF original workplan, they were seeking to discharge concentrate (return water) to the Sylvia Grinnell River, as this water would essentially contain dissolved salts and minerals as a result of the ROWPU. This water would be obtained from the source, and contains no chemicals. The wash water (waste product) would be discharged into the sewage lagoon, as the mixture contains water and chemicals used during the filter washing process. The wash water would be neutralized as per the parameters set within the Sewage Lagoon O&M. Can you confirm the NWB understanding of the term waste product? Does this include just wash water, or both wash water and return water?

Regards,

**Josip Deronja P.Eng.**

Senior Project Manager

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----- Forwarded message -----

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Bcc:

Date: Sun, 31 Oct 2021 18:55:27 +0000

Subject: Re: Water License and Meeting

Dear all,

To clarify, the permitted raw water withdrawal rate from the river is 350 m3/day. This is the permitted maximum rate withdrawn at the intake at the river.

Concentrate (waste product of the ROWPU, as we understand from the submitted document package) is to be hauled to the wastewater treatment plant.

To amend the licence to increase withdrawal rates, the City will need to go through the same process as with the emergency amendment issued on October 15.

Please find the Licence and its amendments attached.

Best regards,

**Subject:** Water License and Meeting

Hello CAO,

Thanks for the letter covering us to operate under the current water agreement at the river.

For our records can we get a copy of the water license (Licence No: 3AM-IQA1626) and the amendment please?

See you at 1400 at the River.

Scott

Major Scott Purcell

Task Force Commander – Iqaluit

OP LENTUS 21-05

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**5 attachments**



**160617 3AM-IQA1626 Water Licence ONME.pdf**

867K



**210315 3AM-IQA1626 Amendment 5-ODDE.pdf**

627K



**190904 3AM-IQA1626 Amendment No. 4-OCHE.pdf**

629K



**211015 3AM-IQA1626 Emergency Amendment 6-OAKE.pdf**

533K



**Re: Water License and Meeting.eml**

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