



821094 - Iqaluit Water Licence 3AM-IQA1626 - Modification to Licence, WTP Bypass

Deronja, Josip <Josip.Deronja@colliersprojectleaders.com>

Wed, Nov 17, 2021 at 1:12 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>, Cameron McDonald <C.McDonald@iqaluit.ca>, "Dixon Weir (Dixon.Weir@gmail.com)" <Dixon.Weir@gmail.com>, "Allain, Erik (AADNC/AANDC)" <erik.allain@canada.ca>, "Dewar, Spencer (AADNC/AANDC)" <spencer.dewar@canada.ca>, "Rak-Banville, Justin" <Justin.Rak.Banville@wsp.com>, "Goss, Charles" <Charles.Goss@wsp.com>, "Moran, Ian" <Ian.Moran@wsp.com>

Good afternoon Assol:

I have provided responses to your questions below in **red**.

Should you have any further questions, please let me know.

Regards,

Josip Deronja P.Eng.

Senior Project Manager

Colliers Project Leaders

Mobile 613.710.0498

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

Sent: Tuesday, November 16, 2021 4:41 PM

To: Deronja, Josip <Josip.Deronja@colliersprojectleaders.com>

Cc: Licensing Department <licensing@nwb-oen.ca>; Amy Elgersma <a.elgersma@iqaluit.ca>; Shane Turner <S.Turner@iqaluit.ca>; Cameron McDonald <C.McDonald@iqaluit.ca>; Dixon Weir (Dixon.Weir@gmail.com) <Dixon.Weir@gmail.com>; Allain, Erik (AADNC/AANDC) <erik.allain@canada.ca>; Dewar, Spencer (AADNC/AANDC) <spencer.dewar@canada.ca>; Rak-Banville, Justin <Justin.Rak.Banville@wsp.com>; Goss, Charles <Charles.Goss@wsp.com>; Moran, Ian <Ian.Moran@wsp.com>

Subject: Re: 821094 - Iqaluit Water Licence 3AM-IQA1626 - Modification to Licence, WTP Bypass

Hello:

Thank you for providing the materials in support of a modification request for a bypass within the water treatment plant. Please see notes below.

1. Your email states, "The bypass is planned as a "ready-to-go" option, should alternative means of water supply to the City be required." What does the alternative means of water supply entail? Is it a change in the water source or does it only mean a change in the mode of water supply within the WTP? **Potable water is currently being provided to the community via two methods – flown in bottled water (supplied by the GN), and potable water produced by**

the CAF's ROWPU (supplied from the Sylvia Grinnell River). A third method will be coming online shortly, that being the GN's MWTP. Water produced by the CAF's ROWPU is trucked to the three (3) water filling depots in the City, where residents are able to fill their personal water jugs. The City and GN have been discussing options to provide further access to potable water to the community, as the community heavily relies on CAF ROWPU water, the forthcoming GN MWTP (once operational), and bottled water – the latter being a significant financial burden. Given the costs associated with flying in bottled water, along with the amount of plastic waste generated, the City and GN have been discussing the implementation of a bypass, which bypasses the below-ground tanks previously affected by contamination. With a bypass, water would be supplied through the City's utilidor water distribution system. This option is currently with the GN's CPHO for review and approval. As previously noted, the City would be drawing raw water from the Lake Geraldine Reservoir (as it currently does) through the existing raw water intake.

2. Your email states, "Note, the proposed bypass was initiated back in 2004, when the last upgrades to the WTP were performed." We could not place a request for modification or notice of construction for these activities in 2004. I understand that such a bypass would have been required in order to perform the necessary upgrades to the facility in 2004. Otherwise, the community would have been without water for the duration of the upgrades. Note, this statement was provided to indicate that such a bypass would have been utilized in the past.
3. Could you please confirm whether the proposed bypass is a temporary or permanent measure? The bypass would be operated on a temporary basis, until the CPHO's *Do Not Consume Advisory* would be lifted. At which point, the City would return to original treatment operations. The bypass piping would remain in place, should it be required in future emergency situations.
4. Could you please provide an operations and maintenance manual addendum for the bypass. Updates to the WTP O&M manual are currently underway. This will be circulated to the NWB once completed for review by interveners.
5. Your email states, "I have attached a Bypass Plan, along with drawings". As outlined in the Licence and discussed during processing of the previous modification, the Board requires that the engineering drawings (in this case, P&IDs) are stamped and signed by a NAPEG-registered engineer. The P&IDs provided in the WSP memo are sketches. The attached Bypass plan and drawings have been provided for information purposes. As per Part G Item 3 of the Licence, the City will be providing stamped drawings for the modifications.

[Quoted text hidden]