



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

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To: Assol Kubeisinova <assol.kubeisinova@nwb-oen.ca>, Licensing Department <licensing@nwb-oen.ca>

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Good morning:

On behalf of the City of Iqaluit (City), the City would like to formally notify the Nunavut Water Board (NWB) of its intentions to carry out modifications to the potable Water Treatment Plant (WTP). The modifications will consist of a "bypass," internal to the facility, which bypasses below-ground water tanks previously affected by contamination. The bypass is being planned as a contingency measure, should the CPHO's current "*Do Not Consume Advisory*" be prolonged further – this is highly contingent on the GN's 3rd party review of the City's investigation report, submitted on November 4, 2021. With a proposed bypass in operation, the objective would be to replace the "*Do Not Consume Advisory*" with a "*Boil Water Advisory*," facilitating further access to water for the community – note this is contingent on approval from the CPHO. The bypass is planned as a "ready-to-go" option, should alternative means of water supply to the City be required. The bypass plan was presented to City of Iqaluit Council at a special council meeting last night – the plan was unanimously approved and will now be circulated to the CPHO for their endorsement. Note, the proposed bypass was initiated back in 2004, when the last upgrades to the WTP were performed.

As part of the proposed modifications, the facility will still be providing primary and secondary disinfection, by means of existing ultra-violet (UV) disinfection, chlorine and hydrofluorisisilic acid injection. Treated water will then be diverted to the existing treated water reservoir via an existing piped system at the discharge end of the facility, before entering the City's utilidor water distribution system. I have attached a Bypass Plan, along with drawings and other supplementary documentation to support the works for reference purposes. Note, all other aspects of the licence will continue to be observed, as it pertains to the withdrawal of raw water from Lake Geraldine, sampling and monitoring of treated water within the WTP.

Please note the modifications will be performed momentarily, as detailed in the attached bypass timeline. Operation of the bypass will be contingent on the status of the GN's 3rd Party Review, as it pertains to the CPHO lifting the "*Do Not Consume Advisory*." Given the circumstances that continue to develop as a result of the local state of emergency, the City has attempted to notify the NWB as soon as possible. It is understood that the proposed modification, as it pertains to the bypass, remains consistent with the terms of the City's licence.

If you have any questions, please feel free to reach out to me.

Kind regards,

Josip Deronja P.Eng.

Senior Project Manager

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3 attachments



201-09487-00 Bypass Summary (2021-11-12).pdf
1028K



Iqaluit Raw Water Bypass-2021-11-12.pdf
745K



Ltr_bypasstimeline 20211114.pdf
220K