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City of Iqaluit
Box 460
Iqaluit, Nunavut
X0A 0H0

Ville d'Iqaluit
C.P. 460
Iqaluit, Nunavut
X0A 0H0

☎ 867-979-5600
📠 867-979-5922
✉ info@iqaluit.ca
🌐 www.iqaluit.ca

July 25, 2022

Assol Kubeisinova
Technical Advisor
Nunavut Water Board

**RE: City of Iqaluit Licence 3AM-IQA1626 – Submission of WTP
Operation & Maintenance Manual, Response to NWB/ CIRNAC
Comments Received July 5, 2022**

Dear Assol,

The City submitted its revised WTP O&M manual to the NWB on June 28, 2022. The revised submission was to address comments received from the NWB and CIRNAC on April 25, 2022. On July 5, 2022 the City received a communication from the NWB indicating that CIRNAC comments 2 and 3 from the April 25, 2022 submission were not addressed in full. The NWB requested the City provide further revision to the O&M manual.

In light of the aforementioned, the City and its Engineer have reviewed the comments against the most recent versions of the O&M manuals and responses to each section have been provided below. Where appropriate, additional clarity has been provided to the General O&M. All other O&M's (Process, Mechanical, Electrical) are understood to be satisfactory, and no further changes have been made to those documents.

Comment 2 (Personnel Training for Fire Events) – City Response

Per the latest submission, all of the items previously listed as “will be added at a later time” have been added and addressed in Section 6 – Emergency Response. See the excerpt from Section 6 below and in the attached WTP O&M Manual.

6.1 GENERAL

During the event of a fire or another onsite emergency, the first point of contact would be the local dispatch emergency service. On-shift operators are expected to take appropriate action and respond to emergencies on site, including notifying the local fire department of the emergency. The primary responder to an onsite emergency is:

Pat Wolfe
WTP Lead Operator
(867) 222-2424
P.Wolfe@iqaluit.ca

An emergency response can also be prompted by the presence of chlorine gas, as detected by the chlorine gas monitor on the main floor adjacent to the chlorine gas room and as alarmed locally by a horn and blue-coloured beacon on the west exterior of the WTP.

In the event of an emergency, the muster point on site is located top the southeast of the Water Treatment Plant at the top of the access road, as shown in the image below:



The locations of fire pull stations at the Water Treatment Plant are given on the following two pages (main floor and lower floor).

In light of the discussion provided in Section 6, it was noted that a small excerpt from a previous version was mistakenly included in Section 5.2. This has been corrected and addressed in the attached document.

Comment 3 (Emergency Response) – City Response

The referenced text does not exist in the most recent submitted version of the O&M Manual. Section 6 of the General O&M manual adequately discusses the emergency response measures and includes the following which address the items previously listed as “to be added at a later time”:

- *Emergency contact for the WTP (Pat Wolfe)*
- *Muster point*
- *Beacon/alarm horns (recently updated)*

It is important to note that there are no back-up procedures, as it was assessed that notifying the WTP emergency contact (the WTP Lead Operator), notifying the local fire department, taking appropriate action as determined onsite, vacating the WTP, and gathering at the muster point is an appropriate

response for onsite personnel. Further emergency response measures are to be enacted by the trained primary responders. Therefore, no further commentary is provided with respect to a back-up plan.

It is our understanding that all referenced items by CIRNAC have been successfully addressed, and that further clarity to its inclusion has been demonstrated in this letter and attached documents. If there are additional emergency response items CIRNAC would like to be included in the O&M manual, please state these items and the City will update the O&M package accordingly.

Regards,



Sumon Ghosh
Director of Engineering and Capital Projects
City of Iqaluit
Box 460, Iqaluit, NU
X0A 0H0

CC'ed: *Amy Elgersma, Chief Administrative Officer*
 Simon Doiron, Director of Public Works
 Bhabesh Roy, Contract Manager of Engineering (Colliers Project Leaders)
 Josip Deronja, Colliers Project Leaders

Att: City of Iqaluit WTP Operations and Maintenance Manual