Knight Piésold CONSULTING

Management System Certified By: bsi ISO 9001 Quality Management Systems CERTIFIED ISO 14001 Environmental Management CERTIFIED ISO 45001 Occupational Health and Safety Management CERTIFIED FS 64925 EMS 550121 OHS 550122

September 11, 2026

Mr. Richard Dwyer
Manager of Licensing
Nunavut Water Board
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Dear Richard,

RE: City of Iqaluit Water Licence 3AM-IQA1626 – Response to Commitments from the August 11-12, 2026 Technical Meeting and Pre-Hearing Conference

Knight Piésold Ltd. (KP) is pleased to respond on behalf of the City of Iqaluit regarding its commitments made during the technical meeting and pre-hearing conference held in Iqaluit on August 11-12, 2026.

The commitments assigned to the City are discussed below.

TM-01 Management Plans

The City will ensure that the Wastewater Treatment Plant and the Water Treatment Plant consistently have the latest versions of the management plans or Operations and Maintenance manuals available from NWB Public Registry.

This is an operational requirement being addressed that does not require a response.

TM-02 Monitoring Parameters

The City will review and propose any modifications to the monitoring program in the draft licence framework.

The City's proposed modifications to the monitoring program are presented in the attached draft water licence framework.

TM-03 Population Forecasts and Life of WWTP

CIRNAC noted that the projected population increases used in the Long Term Water Project (3%) are not consistent with that of the 2017 design report for the Wastewater Treatment Plant (WWTP) (1.2%). The City commits to reviewing this discrepancy and advise whether the forecasted life of the WWTP needs to be adjusted (whether an expansion or replacement of the WWTP is likely to be required earlier than the 2041 design life noted in the 2017 design report.)

The actual population growth between 1991 and the most recent census in 2021 is shown in Table 1, along with population projections in five-year increments from 2026 to 2046. Between 1991 and 2016, the rate of population growth has ranged from 2.1% (2006 to 2011) to 4.8% (1996 to 2001). However, in the last census in 2021, the annualized population growth slowed to 1%.

Table 1 City of Iqaluit Census Data and Population Projections

Year	Actual Population Estimates from 5-year Census		Population Projections		
	Census Population	Actual Annual Growth (%)	Low	Medium	High
1991	3711				
1996	4409	3.8%			
2001	5471	4.8%			
2006	6438	3.5%			
2011	7116	2.1%			
2016	8200	3.0%			
2021	8610	1.0%			
2026			9045	9045	9045
2031			9501	9881	10093
2036			9980	**10823**	11300
2041			**10482**	11854	12648
2046			11007	12993	14156

The WWTP will be at capacity in 2041 under the low growth scenario, as projected in the 2017 Nunami Stantec WWTP redesign report presented as Attachment 44 of the Application. Nunami Stantec used an annualized population growth rate of 1.15%, which matches the annualized population growth between 2016 and 2021.

Under the medium growth scenario, this could be moved up to 2036. The 2026 census results, which will be available next year, will recalibrate the City as to when the WWTP design capacity will be reached.

The Long Term Water Project conservatively utilized the higher growth scenario.

TM-04 Reduction in Apex River Catchment Area due to New Reservoir

The City will report back to DFO with the catchment loss (area and as a percentage of the total catchment) that will be realized in the Apex River catchment due to the new reservoir.

The new reservoir is located almost entirely within the Lake Geraldine catchment, as shown on Figure 1, and the catchment loss to the Apex River is negligible.

TM-07 Draft Water Licence Framework

The City will present a draft water licence framework (track-changes to the existing licence) for review.

The draft water licence framework with track-changes to the existing licence is attached.

Other Technical Meeting Commitments

TM-06 commits the City to engaging with DFO to discuss the sustainable yield from Lake Qikiqtalik. This will be carried out in the coming weeks.

TM-08, TM-09, and TM-11 to TM-14 involve the addition of new conditions to the water licence framework. These have been incorporated into the draft water licence framework presented in Appendix A.

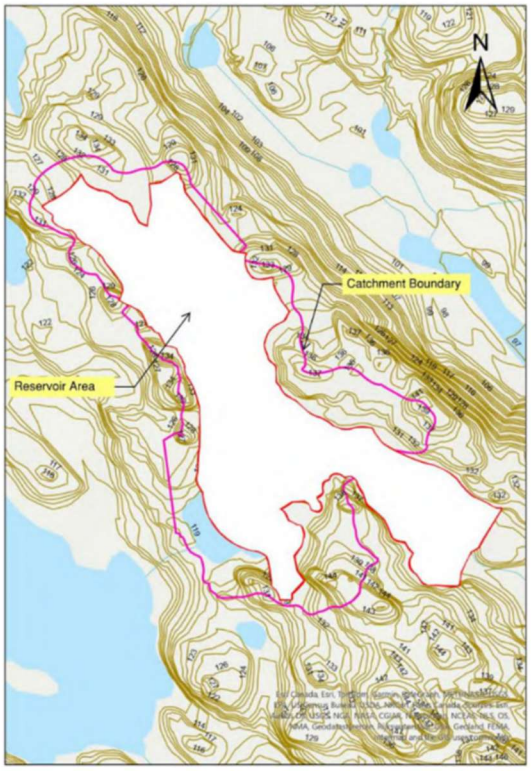


Figure 1 New Reservoir Footprint and Catchment Area

Closing

We trust this meets the parties' current requirements. We look forward to ongoing engagement with the Nunavut Water Board and intervenors participating in the relicensing process.

Yours truly,
Knight Piésold Ltd.

Prepared:



Richard Cook, P.Geo. (Limited)
Specialist Environmental Scientist | Associate

Reviewed:



Anna Hutchison, MES
Senior Environmental Scientist

Approval that this document adheres to the Knight Piésold Quality System:



Attachments:
Draft Water Licence Framework

Copy To: Kevin Kerr and Oghenerugba (Rugba) Ugboduma, City of Iqaluit

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