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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

File: 3AM-IQA1626

September 13, 2021

Amy Elgersma
Chief Administrative Officer
City of Iqaluit
Box 460, Iqaluit, NU X0A 0H0
Email: cao@city.iqaluit.nu.ca

RE: Licence No: 3AM-IQA1626, Type “A”; City of Iqaluit; 2020 Annual Report Review

Dear Amy Elgersma:

The Nunavut Water Board (NWB or Board) has completed the technical review of the 2020 Annual Report (Report) for Type “A” Water Licence 3AM-IQA1626 (Licence) issued to the City of Iqaluit (City or Licensee). The Report was received on March 18, 2021 and submitted as a requirement under Part B of the Licence.

On March 24, 2021, the NWB distributed the Report to the Iqaluit distribution list for review. Comments from Environment and Climate Change Canada (ECCC) and Crown-Indigenous Relations and Northern Affairs (CIRNA) were received on Jun 23, 2021 and June 24, 2021, respectively. In its submission, ECCC stated that it had no comments at the time. The table below provides a brief summary of issues found outstanding during the Report review period. The table provides also deadlines for the Licensee to respond to respective recommendations and concerns. For the intervenors’ discussion of these items, please refer to the comment submissions referenced above.

No.	Intervener Recommendation / Concern	Deadline to Respond by and Provide Outstanding Information
Crown-Indigenous Relations and Northern Affairs (CIRNA)		
1	Include a detailed account of observations and information collected with respect to inspections conducted at the sewage lagoon.	Subsequent annual reports
2	Document the ultimate disposal method and location for the geotubes.	Subsequent annual reports
3	Install and use the equipment necessary to record the volume in cubic metres of landfill effluent discharged	Subsequent annual reports

	during each discharge event.	
4	Include diagrams or maps indicating the locations of the various monitoring stations and their locations relative to the overall layout of the facilities.	Subsequent annual reports
5	Engage with the Nunavut Water Board, Tower Arctic Ltd., and the Government of Nunavut as necessary to coordinate water withdrawals within the City of Iqaluit, to ensure total combined abstraction rates only occur when the natural flow in the Niaqunguk River is above 30% of the mean annual discharge and their total combined withdrawals will not exceed 10% of the instantaneous flow of the Niaqunguk River.	Subsequent annual reports
6	Adopt, implement and provide responses to all the recommendations contained within submissions provided in support of the requirements of their Type A water licence.	2021 Annual Report
Nunavut Water Board (NWB)		
1	Provide the timeline for fulfillment of the recommendations of the <i>Lake Geraldine Dam Safety Inspection 2020</i> (DSI) dated December 22, 2020.	2021 Annual Report
2	The NWB notes the following statement in the DSI: "The deep snow and ice on and around the LG Dam at the time of our inspection may have obstructed visual indicators such as sloughing, slides, bulging or displacement." The NWB recommends conducting any inspections during summer time.	Subsequent annual reports
3	The DSI states: "In 2020 the City installed a series of piezometers and thermistors to monitor hydrogeologic and thermal environments within the backfill and foundations. There appears to be no formal record of any monitoring or recording of the data from these sensors." The NWB recommends the City conduct proper monitoring of the dam.	Subsequent annual reports
4	The NWB recommends the inclusion of information on the roles and responsibilities and safety drills in the <i>Emergency Response Plan for Dam Safety</i> dated July 16, 2020.	2021 Annual Report
5	Provide the timeline for fulfillment of the recommendations of the <i>Dam Safety Management Plan</i> dated July 16, 2020.	2021 Annual Report
6	Provide the timeline for eliminating non-conformities analyzed in Table 4.1 "DSMP Gap Analysis" in the <i>Dam Safety Management Plan</i> dated July 16, 2020.	2021 Annual Report
7	Provide the timeline for fulfillment of the recommendations of the <i>Technical Analysis & Risk Assessment</i> dated July 16, 2020.	2021 Annual Report

Copies of all documents received during Report review can be accessed through the NWB's Public Registry and FTP site using the following link:

<ftp://ftp.nwb-oen.ca/registry/3%20MUNICIPAL/3A/3AM%20-%20Municipality/3AM-IQA1626/3%20TECH/B%20GENERAL/2%20ANNUAL%20RPT/2020/>

If you have any questions, please contact the undersigned at assol.kubeisinova@nwb-oen.ca or (867) 360 6338 (ext. 31).

Best regards,

Assol Kubeisinova
Nunavut Water Board
Technical Advisor

Cc: Distribution List – Iqaluit