

November 21, 2023.

Nunavut Water Board P.O. Box 119 Gjoa Haven, NU XOB 1LO

Attention: Richard Dwyer, Manager of Licensing

RE: 3BM-KIM1929---- Municipality of Kimmirut – Application for water licence amendment

Dear Richard,

The Government of Nunavut Department of Community and Government Services (CGS) on behalf of the Municipality of Kimmirut has prepared a response to the comments submitted by Environment and Climate Change Canada (ECCC), Crown Indigenous Relations and Affairs Canada (CIRNAC), and Fisheries and Oceans Canada (DFO) on the water license renewal and amendment application.

Regards,

Gord Z Marinic, Municipal Engineer Government of Nunavut Community and Government Services Email: gmarinic@gov.nu.ca

| Agency | Comment | Recommendation | Licensee Response | | | |
|--------|---------|--|---|--|--|--|
| ECCC | 01 | Topic 1: Wetland Treatment Area | Dillon_ provided comment. Please see | | | |
| | | Regarding the Design Development Report for the new Wastewater Treatment Facility, ECCC requests that Licensee: I) Clarify whether any other secondary treatment options are currently being considered in addition to wetlands and, if so, describe any such current options II) Describe whether and how concerns raised in the report regarding the feasibility of wetland treatment have been resolved | attached PDF file. | | | |
| ECCC | 02 | Topic 2: Effluent monitoring at KIM-3 ECCC agrees that, in addition to monitoring effluent quality at the proposed compliance point (KIM-5), it is important to retain monitoring at KIM-3 to assess and track lagoon treatment performance. Recommendation: monitoring be retained at KIM-3 for information and analysis purposes. | As per ECCC recommendation, monitoring will be retained at KIM-3 for information and analysis purposes | | | |
| ECCC | 03 | Topic 3: Solid Waste Management: . ECCC supports the Hamlet's efforts to improve solid waste management and recommends consulting ECCC's planning and technical guidance document "Solid Waste Management for Northern and Remote Communities" to inform the waste management study described in the Compliance Plan and support responsible solid waste management. | Business case has been developed addressing and providing alternatives for solid waste management and practices including but not limited to constructing transfer stations, waste diversion, incineration, waste segregation, metal shredding etc. | | | |

| ECCC | 04 | Topic 4: Species at Risk and Migratory Birds ECCC recommends the Proponent provide mitigations for SAR and migratory birds. As species are assessed and listed on a regular basis, ECCC recommends the Proponent: i i) Consult the Species at Risk registry to obtain the most current information for their operations. i ii) Consult the Government of Nunavut to identify appropriate mitigation and/or monitoring measures to avoid and lessen project effects to species under their management responsibility. Other useful resources include: ECCC's Guidelines to Avoid Harm to Migratory Birds, Fact Sheet Nest Protection Under the Migratory Birds Regulations, 2022 and Frequently Asked Question, Migratory Birds Regulations, 2022. If you need more information, please contact Abigayle Blackmore at (780) 239-3894 or Abigayle.Blackmore@ec.gc.ca. | Dillon_ provided comment. Please see attached file. |
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| CIRNAC | R-01. WATER METER | Recommendation: (R-01) CIRNAC recommends that Licensee confirm if this issue has been resolved prior to the approval of this amendment. Section 11 of the Nunavut Waters and Nunavut Surface Rights Tribunal Act requires that water is used in accordance with the conditions of the licence as expressed by the Inspector in the 2021 inspection report. | CGS will work with Municipality to install water flow meter at the monitoring station KIM-1. |
| CIRNAC | R-02 Design Development Report, New WWTF | Recommendation: (R-02) CIRNAC recommends that the required Operation and Maintenance Plan, as discussed in part f item 3, include details on annual maintenance of the structures as discussed in design report to ensure the facility | As per CIRNAC's recommendation upon completion of construction and receiving as – build drawings O&M plan will be prepared by design engineer and contractor, including details on annual maintenance of the structures, along with a decanting schedule. |

| | | ар | ll achieve and maintain propriate schedule for cant. | n objectives, as well as the | | | | |
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| CIRNAC | R-03 3. Changes to Compliance Monitoring Station | (R-03) Subject to approval by the Board, CIRNAC recommends that the Licensee confirms the location of the monitoring stations. with an Inspector as required in part h, item 2. | | | As per CIRNAC's recommendation, monitoring will be retained at KIM-3 for information and analysis purposes | | | |
| | | | Monitoring Program Station Number | Description | | Parameters / Frequency | Status | |
| | | | KIM-1 | Raw water supply intake at Fund Lake | do | Volume – Monthly | Active | |
| | | | KIM-2 | Runoff from existing Solid Waste Disposal Facility | | Water Quality - Three (3) times annually | Active | |
| | KIM-3 Effluent discharge from Waste Water Treatment Coprior to Wetland Treatment Area | | | Volume - Monthly Water Quality - Monthly during discharge | Active | | | |
| | | | KIM-4 | Effluent discharge from Enhanced Solid Waste Disposal Facility | | Volume - Monthly and/or volume discharged Water Quality - Monthly and/or prior to discharge | Active once facility in use | |

Volume - Monthly and/or volume discharged Water Quality - Monthly and/or prior to discharge

Active once

facility in use

KIM-5

Final Discharge from Wetland Treatment Area