



Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1L0

Attention: Richard Dwyer, Manager of Licensing

RE: 3AM-CHE---- –Municipality of Chesterfield Inlet – Renewal and Amendment Application

Dear Richard,

The Government of Nunavut Department of Community and Government Services (CGS) on behalf of the Municipality of Chesterfield Inlet has prepared a response to the technical review comments submitted by Crown Indigenous Relations and Affairs Canada (CIRNAC) on the water license renewal and amendment application.

Regards,

Kayla Cloutier

Kayla Clouter
Project Manager
Government of Nunavut
Community and Government Services
Email: klclouter@gov.nu.ca

Agency	Comment	Recommendation	Licensee Response																					
CIRNAC	01	(R-01) Subject to the approval of the Board, CIRNAC recommends that the daily volume of water withdrawn from First Lake during the annual resupply be recorded as monitoring station CHE-1. These records shall be submitted with the Annual Report under Part B item 1(c).	GN-CGS will report the daily volumes pumped from First Lake during the annual resupply in the annual report.																					
CIRNAC	02	<div>(R-02) CIRNAC recommends that a new monitoring station (CHE-1a) be added to the monitoring program. The station should be located at the Water Supply Facility, pump-house to meter the daily volume of water used as follows.</div> <table><tr><th>Monitoring Station ID</th><th>Description</th><th>Status</th></tr><tr><td>CHE-1</td><td>Raw Water supply intake at First Lake</td><td>Active (volume)</td></tr><tr><td>CHE-1a</td><td>Daily Water Withdrawn from Water Supply Facility, pump-house</td><td>New (volume)</td></tr><tr><td>CHE-2</td><td>Runoff from the Solid Waste Disposal Facility</td><td>Active (quality)</td></tr><tr><td>CHE-3</td><td>Effluent from the Sewage Holding Cell 1</td><td>Active (quality)</td></tr><tr><td>CHE-3a</td><td>Effluent from Sewage Holding Cell 2</td><td>New (quality)</td></tr><tr><td>CHE-4</td><td>Final Discharge Point for Effluent from the wetland treatment area prior to Finger Bay (Compliance Point)</td><td>Active (quality)</td></tr></table>	Monitoring Station ID	Description	Status	CHE-1	Raw Water supply intake at First Lake	Active (volume)	CHE-1a	Daily Water Withdrawn from Water Supply Facility, pump-house	New (volume)	CHE-2	Runoff from the Solid Waste Disposal Facility	Active (quality)	CHE-3	Effluent from the Sewage Holding Cell 1	Active (quality)	CHE-3a	Effluent from Sewage Holding Cell 2	New (quality)	CHE-4	Final Discharge Point for Effluent from the wetland treatment area prior to Finger Bay (Compliance Point)	Active (quality)	<div>Monthly volumes are currently reported in the annual report based on billing records from the community. Given that the pump house draws water for consumption from an engineered reservoir and not a natural water source, GN-CGS will report based on resupply volumes going forward, rather than withdrawal at the pump house.</div> <div>Sewage disposal reported in the annual report will continue to correlate with monthly water usage based on billing records.</div>
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CIRNAC	03	(R-03) CIRNAC recommends that an addendum is submitted to the QA/QC Plan to include monitoring station CHE-2.	The Plan has been updated and resubmitted to include monitoring location CHE-2.
CIRNAC	04	(R-04) CIRNAC recommends that the Licensee clarify the use of the landfarm for disposal for contaminated soils. If the landfarm is to be used by the Municipality for soil remediation a letter of authorization should be provided by the owner.	The landfarm is not currently in use by the Municipality for remediation of contaminated soils. A letter of authorization will be requested from the owner in the event that use of the landfarm by the municipality is required.
CIRNAC	05	CIRNAC recommends that an addendum be submitted to this plan to include the corrected GPS location of monitoring station CHE-2.	The GPS coordinates will be confirmed this summer during inspections, and the plan will be updated and resubmitted at that time.
CIRNAC	06	CIRNAC recommends that the samples and analysis required to determine appropriate sludge management disposal is completed to ensure that disposal options are contemplated when planning for the new Sewage Disposal Facility. GN-CGS has indicated that the lifespan of the current Sewage Disposal Facility is 2029.	GN-CGS is currently pursuing funding to plan for a lagoon to be constructed in Chesterfield Inlet. Remediation of existing sludge will be part of that project and all new lagoons in Nunavut are being constructed to accommodate the anticipated sludge volume for the entire lifespan of the lagoon, such that regular disposal is not necessary. In the event that sludge disposal off site becomes necessary prior to securing funding, sampling can be done at that time.
CIRNAC	07	CIRNAC recommends that an addendum be submitted to the plan to correct the monitoring station to CHE-4 referenced in section 8 of the O&M Plan for the Sewage Disposal Facility.	The plan has been updated and resubmitted.
CIRNAC	08	CIRNAC recommends that an addendum be submitted to the plan to include the corrected GPS location of the monitoring stations	The GPS coordinates will be confirmed this summer during inspections, and the plan will be updated and resubmitted at that time.
CIRNAC	09	(R-10) Subject to the Board approval, CIRNAC recommends that GNCGS prepare a report which analyzes the type of structures and frequency of inspections required for the Municipality of Chesterfield Inlet's undertakings. This submission must be provided to the Board by March 31st, 2025. In the meantime, CIRNAC recommends that the Board consider modifying the licence condition allow additional 15 days reporting timeline be added to the current 60-days requirement.	GN-CGS will prepare and submit a report analyzing the type of structures and frequency of inspections required for the Municipality of Chesterfield Inlet's undertakings and submit the report by March 31, 2025.