

Environment and Climate Change Canada's Presentation to the Nunavut Water Board Respecting the Hamlet of Arviat Type A Water Licence Renewal- Amendment Application

3AM-ARV1016 – Nunavut Water Board
Technical Meeting
February 22, 2022



Canada

Overview

- Mandate
- Relevant Acts and Regulations
- Status of Environment and Climate Change Canada's Concerns
- Technical Comments and Recommendations

Environment and Climate Change Canada's Mandate

- The preservation and enhancement of the quality of the natural environment, including water, air and soil quality, and the coordination of the relevant policies and programs of the Government of Canada
- Renewable resources, including migratory birds and other non-domestic flora and fauna
- Meteorology
- The enforcement of rules and regulations



Relevant Acts and Regulations

- *Department of the Environment Act*
- *Canadian Environmental Protection Act*
- *Fisheries Act – Pollution Prevention Provisions*
- *Migratory Birds Convention Act*
- *Species at Risk Act*



Current Status of ECCC Comments

ECCC-1	ARV-4 Monitoring Location		Partially Resolved	
ECCC-2	Workplan and Timelines for Proposed Updates		Partially Resolved	
ECCC-3	Removal of Conditions Related to Abandonment and Restoration		Unresolved	
ECCC-4	Sludge Management		Resolved	
ECCC-5	Sewage Lagoon Monitoring Locations		Resolved	
ECCC-6	Replicate or Duplicate Samples		Partially Resolved	

ECCC - Technical Comment 1

Partially Resolved

ARV-4 Monitoring Location

- ECCC recommended GN-CGS clarify whether relocation of monitoring location ARV-4 is proposed



ECCC - Technical Comment 2

Partially Resolved

Workplan and Timelines for Proposed Updates

- ECCC recommended GN-CGS provide updated timelines and a workplan for studies and work related to the construction of the new wastewater facility and expansion of the solid waste facility.



ECCC - Technical Comment 3

Unresolved

Removal of Conditions Related to Abandonment and Restoration

ECCC recommended that GN-CGS:

- Provide an updated Interim Closure and Reclamation Plan for the Solid Waste Disposal Facility, Bulky Metals Area, and Hazardous Waste Storage Area and the Final Closure and Reclamation Plan for the two abandoned sewage lagoons.
- Describe the current state of abandonment and restoration activities completed on the unused sewage lagoon cells, and any planned future work.
- If additional work needs to be completed in order to provide updated plans, these water licence conditions should be updated and retained in the licence to ensure that information related to abandonment and restoration is provided.



ECCC - Technical Comment 4

Resolved

Sludge Management

ECCC recommended GN-CGS:

- Provide an update on whether desludging occurred in 2021 and if not, when desludging is planned for.
- Provide information on sludge management, assessment, and disposal techniques and location.



ECCC - Technical Comment 5

Resolved

Sewage Lagoon Monitoring Locations

- ECCC recommended that consideration be given to inclusion of an additional monitoring station at point of discharge from the lagoon into the wetland to evaluate sewage effluent quality prior to effluent entering the wetland.



ECCC - Technical Comment 6

Partially Resolved

Replicate or Duplicate Samples

- ECCC recommended that GN-CGS provide information of the frequency of replicate/duplicate samples within the sampling program.



Thank You

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Environment and
Climate Change Canada

Environnement et
Changement climatique Canada

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