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



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 nondomestic 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

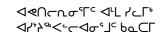




Current Status of ECCC Comments

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







Partially Resolved

ARV-4 Monitoring Location

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





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.



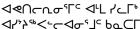
Unresolved

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.





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.





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.

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Partially Resolved

Replicate or Duplicate Samples

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

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