



Environment and  
Climate Change Canada

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# **Environment and Climate Change Canada's Presentation to the Nunavut Water Board Respecting the Resolute Bay Type A Water Licence Renewal and Amendment**

3AM-RUT---- – Technical Meeting  
July 14-15, 2020



**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*



# ECCC-Technical Comment 1

## Airport Sewage Lagoon

- ECCC recommended the proponent provide additional clarification on whether the airport sewage lagoon is included in the application, and if this lagoon is captured under the licence 3BM-RUT1520/3AM-RUT ----.
- ECCC recommends that the Proponent provide details regarding the operations, monitoring, and overall management of the lagoon for the renewal application if the airport sewage lagoon is captured under the Water Licence



# ECCC-Technical Comment 2

## Overflow from Airport Sewage Lagoon

ECCC recommended

- The proponent provide information on monitoring of effluent quality from the overtopping the airport lagoon, and on monitoring downstream of unintended discharges, to evaluate impacts to the receiving environment
- The proponent identify contingency measures to prevent the airport sewage lagoon from overtopping
- The proponent include any overtopping from the airport sewage lagoon as unauthorized discharges, including identification of actions taken.



# Wastewater Treatment Plan

- The proponent provide details on the proposed wastewater treatment system, and that the final treatment design (including performance targets) should be submitted to the Board for approval
- The proponent provide a discussion of potential measures that could be implemented to reduce overall volumes of bleed water required for operation of the Utilidor system.

# ECCC-Technical Comment 4

## Quality Control Samples

- ECCC recommends that trip blanks be included as part of the QA/QC program, in addition to the already proposed field blanks and duplicates





# ECCC-Technical Comment 5

## Fecal Coliforms

- ECCC recommends that the Proponent provide a site-specific study on fecal coliforms for review as part of the water licence renewal.



# ECCC-Technical Comment 6

## Effluent Quality

- ECCC recommends that the proponent should strive to meet or exceed the Wastewater Systems Effluent Regulations for effluent quality at the end of the treatment system.
- ECCC recommends monitoring and sampling be aligned with the requirements of the Wastewater Systems Effluent Regulations, even though they do not currently apply to the North.



## Spill Contingency Plan and QA/QC plan Errata

- ECCC recommends the proponent review the Spill Contingency Plan and QA/QC Plan to ensure that the plans include details relevant to Resolute Bay, and ensure that all Pangnirtung-specific details are removed.



# Thank You



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