



Environment and
Climate Change Canada

Environnement et
Changement climatique Canada

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---- – Final Hearing
October 27-28, 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-Resolved Comment 1

Wastewater Treatment Plant

ECCC requested additional details about the new wastewater treatment plant.

- The Government of Nunavut has committed to provide the Design Report for the plant, with details including treatment targets for Carbonaceous Biochemical Oxygen Demand (CBOD) and ammonia
- Toxicity test validation results will be provided for effluent within 6 months of commissioning of the plant
- Monthly effluent data will be submitted to the NWB following commissioning



ECCC-Resolved Comment 2

Fecal Coliforms

ECCC requested that a study on fecal coliforms be provided for review.

- Government of Nunavut has reviewed the fecal coliform data and provided a memo to assist the NWB in determining fecal coliform criteria.



ECCC-Resolved Comment 3

Quality Control Samples

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

- The Government of Nunavut has committed to including trip blanks.

ECCC identified errors in the QA/QC Plan and Spill Contingency Plan.

- The Government of Nunavut committed to and has provided updated plans.



ECCC-Final Outstanding Comment

Char Lake Pump House and Signal Hill Water Treatment Plant

- The updated Environmental Management Plan for the Char Lake Pump House and Signal Hill Water Treatment Plant includes measures to avoid and reduce impact to surface water from erosion and sedimentation.
- Measures in the Plan include implementing silt fences for runoff control and turbidity curtains for construction of the intake line, but no associated water quality monitoring.
- ECCC recommends that the Government of Nunavut provide a description of proposed water quality monitoring in association with the decommissioning and construction of the new Pump House.



Thank You



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