



Environment and Climate Change Canada's Presentation to the Nunavut Water Board Regarding the City of Iqaluit's Municipal Water Licence

NWB Technical Meeting and Pre-Hearing Conference Iqaluit, Nunavut Bradley Summerfield EPOD January 13, 2016

ECCC's Mandate

- Department of the Environment Act:
 - General responsibility for environmental management and protection.
 - Preserve and enhance water, air and soil quality.
 - Conserve Canada's renewable resources including Migratory birds, species at risk, flora and fauna.
 - Conserve and protect Canada's water resources.
 - Provide meteorological information.
 - Coordinate environmental policies and programs.





How ECCC Fulfills its Mandate

Relevant acts and regulations:

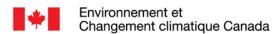
- Department of the Environment Act
- Canadian Environmental Protection Act
- Fisheries Act Pollution prevention provisions
- Migratory Birds Convention Act
- Species at Risk Act (SARA)





ECCC's Role in Nunavut

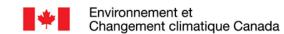
- Review development and remediation proposals for environmental impacts falling within its mandate.
- Provide recommendations and expert advice to the Nunavut Impact Review Board and Nunavut Water Board.
- Enforce compliance with legislation that falls within EC's mandate.





ECCC's Technical Review – Outstanding Items

- ECCC raised concerns with various aspects of the Iqaluit water licence renewal application including:
 - Status of the solid waste Management Plan actions
 - Use of incineration
 - Management plan for the new solid waste site, and closure plans for the West 40 Landfill decommissioning
 - Management of contaminated sediments from the landfill retention ponds following discharge of treated runoff
 - Effluent quality criteria for municipal wastewater
 - Implementation of secondary treatment of sewage
 - Licence term





ECCC's Technical Review – Outstanding Items

- ECCC has recently received and reviewed the Stantec Iqaluit WWTP Upgrade/Expansion Feasibility Study
 - Further details will be requested on the achievable level of treatment for the recommended option (Moving Bed Biofilm Reactor)
 - Discussion of regulated parameters and use of bioassay testing is requested





ECCC's Technical Review – Outstanding Items

- Other issues ECCC requests further information from the City of Iqaluit on:
 - Management of landfill runoff treatment residuals in addition to contaminated pond bottom sediments
 - Testing for chlorinated paraffins not completed during last licence term
 - Update on historical sewage lagoon condition and monitoring
 - Use of bioassay testing for the historic sewage lagoon





Thank-you, Qujannamiik!



