



Environnement et
Changement climatique Canada

Environment and
Climate Change Canada

Canada



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)*



ECCEC'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!



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