



Environment and
Climate Change Canada

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Changement climatique Canada

Environmental Protection Operations Directorate
Prairie & Northern Region
5019 52nd Street, 4th Floor
P.O. Box 2310
Yellowknife, NT X1A 2P7

March 28, 2017

ECCC File: 6600 000 040 / 003

NWB File: 1BR-MTH----

Robin Ikkutisluk
License Administrator
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1J0

Via email: licensing@nwb-oen.ca

RE: 1BR-MTH---- – Indigenous and Northern Affairs Canada – CAM-C Matheson Point Remediation Project – Type B Water License Application

Attention: Robin Ikkutisluk

Environment and Climate Change Canada (ECCC) has reviewed the information submitted to the Nunavut Water Board (NWB) regarding the above-mentioned Type B Water License Application. ECCC's specialist advice is provided based on our mandate, in the context of the *Canadian Environmental Protection Act*, the pollution prevention provisions of the *Fisheries Act*, the *Migratory Birds Convention Act*, and the *Species at Risk Act*.

Comments are provided in Attachment A.

Should you require further information, please do not hesitate to contact me at (867) 669-4746 or Gabriel.Bernard-Lacaille@canada.ca.

Sincerely,

Gabriel Bernard-Lacaille
Environmental Assessment Coordinator

cc: Melissa Pinto, Senior Environmental Assessment Coordinator
Georgina Williston, Head, Environmental Assessment North (NT and NU)

Attachment A – Environment and Climate Change Canada's Comments and Recommendations for the CAM-C Matheson Point Remediation Project

1. ECCC #1 - Management of camp wastewater

Reference

Environmental Impact Statement, Section 1.9 – Waste Water; Section 4.3.5 – Sewage Effluent Monitoring

Background and ECCC's Comments

Camp wastewater will be treated on site and discharged in accordance with effluent criteria provided by the NWB. The application broadly indicates that, "it is expected that a sewage lagoon will likely be used during camp operation at the CAM-C site". However, no specifics on the location of the sewage lagoon or the discharge location are provided in any of the supplementary documents. ECCC has concerns with effluent entering water that would result in the addition of nutrients (phosphorous and nitrogen), and with the possibility of deleterious substances entering waters frequented by fish.

ECCC's Recommendations

- ECCC recommends that Indigenous and Northern Affairs Canada (the Proponent) provide the specifics of wastewater treatment, including locations of lagoons, discharge location, and pathway of discharge.
- ECCC recommends that treated camp wastewater be disposed of such that it does not enter waters, unless it is demonstrated to be non-deleterious.

2. ECCC #2 – Discharge to the tundra

Reference

Environmental Impact Statement, Section 4.3.4 – Wastewater Management and Monitoring

Background and ECCC's Comments

Activities associated with the remediation are anticipated to generate waste water. These waste waters include contact water from the landfill and contaminated soil excavations, new landfill operation, and contaminated soil treatment areas. All contact water from these locations will be stored temporarily and tested, and if discharge criteria are met, will be discharged to the tundra. No specific locations for tundra discharges are provided and no information is provided on how erosion will be prevented at these locations.

ECCC's Recommendation

ECCC recommends that the Proponent provide the location of tundra discharge(s) and identify mitigation measures to prevent erosion and sedimentation for these locations.

