



Environmental Protection Operations Directorate  
Prairie & Northern Region  
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August 26, 2016

ECCC File: 6500 000 004/002  
NWB File: 8AC-ALT----

Karen Kharatyan  
A/Manager of Licensing  
Nunavut Water Board  
P.O. Box 119  
Gjoa Haven, NU X0B 1J0

Via email: [licensing@nwb-oen.ca](mailto:licensing@nwb-oen.ca)

**RE: 8AC-ALT---- – Department of National Defence – Alert Project – Type A Water Licence Renewal and Amendment Application**

Attention: Karen Kharatyan

Environment and Climate Change Canada (ECCC) has conducted an initial review of the information submitted to the Nunavut Water Board regarding the above-mentioned water licence renewal and amendment application. ECCC's specialist advice is provided based on our mandate, in the context of the *Canadian Environmental Protection Act* and the pollution prevention provisions of the *Fisheries Act*.

The following comments and information requests are provided:

1. ECCC requests that the Proponent discuss options to reduce the BOD5 loading to the marine receiving environment.
2. ECCC requests that the Proponent provide an evaluation of the surface erosion that is associated with the overland discharge of the wastewater stream (as evidenced by the total suspended solids levels entering Parr Inlet). Mitigation measures to stabilize areas experiencing erosion should be identified.
3. ECCC requests that the Proponent discuss whether the oil and grease concentrations are comprised of kitchen grease only, and identify potential mitigation measures to address these concentrations.

4. ECCC requests that the Proponent provide the flow volumes to be treated, including source (i.e. sewage, kitchen, circulation water) qualities and quantities. This information will allow for the evaluation of treatment efficacy and will factor into identifying limitations to and/or opportunities for treatment options.
5. ECCC requests that the Proponent provide a water balance showing flow paths for site water. Specifically, please identify whether the wastewater is still dilute (as it appears the bleeder water is now returning to source) and whether mechanical treatment would be possible.
6. Keeping in mind the pollution prevention provisions of the *Fisheries Act* ECCC requests that the Proponent identify what additional steps could be taken to improve the current treatment system.

Should you require further information, please do not hesitate to contact me at (867) 669-4733 or [Melissa.Pinto@canada.ca](mailto:Melissa.Pinto@canada.ca).

Sincerely,



Melissa Pinto  
Environmental Assessment Coordinator

cc: Georgina Williston, Head, Environmental Assessment North (NT and NU)  
ECCC Review Team