



31 March 2016

Mr. R. Barry
Nunavut Impact Review Board
PO Box 1360
Cambridge Bay, NU X0B 0C0

Dear Mr. Barry

RE: DRDC Atlantic 2015 Annual Report for Operations at Gascoyne Inlet Camp, Devon Island, Nunavut

References:

- A. Land Use Permit N2014N0019***
- B. Water Use Licence 8WLC-NWT1516***
- C. NIRB 08DN056***

The DRDC Northern Watch Technology Demonstration Project will demonstrate an Arctic maritime surveillance capability to the Department of National Defence and other concerned federal departments. This is a multi-year undertaking and is based at Gascoyne Inlet. The surveillance demonstration system will be unmanned, semi-autonomous, and remotely controlled through a satellite system connection to one of the DRDC centres.

Defence Construction Canada is providing the following annual report, which summarizes the activities in 2015 and outlines the planned activities for 2016. This information is being submitted on behalf of Defence Research and Development Canada (DRDC Atlantic).

Summary of 2015 Activities

- The big tent was repaired, and two new 20'x20' buildings were erected.
- A temporary electric animal control fence was erected, and removed at end summer.
- Maritime sensors were temporarily erected on ridge to south of the camp and operated for 38 days.
- C and Ka Band satellite ground stations were operated for 42 days.
- Underwater arrays were emplaced in Barrow Strait and connected to the camp through existing underground pipe.
- A maritime surveillance demonstration was conducted.

Wildlife Log 2014

- One polar bear on west shore of Gascoyne Inlet
- One Muskox within 500m of the camp
- 3 walrus within 100m of the camp
- 3 Beluga whales within 20m of the camp
- 3 visits to the Inlet by lone seals
- Two fox beyond 500m from the camp moving towards Cape Ricketts

Work Plan for 2016

For the 2016 season DRDC will be maintaining the existing camp.

The camp is planned to open late July or early August, it is anticipated that 2 to 4 personnel will perform maintenance tasks for 5-7 days.

Compliance with AAND issued Land Use Permit Terms and Conditions

The DRDC Northern Watch project has endeavoured to comply with all terms and conditions required by the land use permit and all applicable Acts, Regulations and Guidelines.

- All camp fuel was stored and covered, in an impermeable berm located more than 30 m from any water body. The berm liner was covered with gravel, large stones and construction brick residue.
- All camp building material was left neatly stacked.
- The cookhouse was left unlocked and a shovel was left hung up near the door for Hunters and Trappers Association use over the winter.
- DRDC staff was briefed on all of the terms and conditions of licencing including the archaeological and palaeontology requirements.
- No hunting or fishing was conducted by camp staff. All food and food waste were protected from access by local wildlife.

We trust the information provided is sufficient for your records. Please feel free to contact the undersigned if you have any questions or comments.

Sincerely,



Tamara Van Dyck BSc
Environmental Project Coordinator
Defence Construction Canada
(613) 995-9741

Tamara.VanDyck@dcc-cdc.gc.ca

cc. Lex Stuart, DRDC Northern Watch Project Manager, lex.stuart@drdc-rddc.gc.ca
Gregg Matthews, RP Op(North), GREGG.MATTHEWS@forces.gc.ca