



31 March 2022

Ms. K. Costello
Nunavut Impact Review Board
PO Box 1360
Cambridge Bay, NU X0B 0C0

Dear Ms. Costello,

Re: DRDC 2021 Annual Report for Northern Watch Technology Demonstration Operations at Gascoyne Inlet, Devon Island, NU

References:

A. Land Use Permit N2021N0007

B. Water Use Licence 8WLC-NWT2122

C. NIRB 08DN056

The DRDC Northern Watch Technology Demonstration Project (TDP) – Canadian Arctic Underwater Sentinel Experimentation (CAUSE) will demonstrate an Arctic maritime surveillance capability to the Department of National Defence and other concerned federal departments. Commencing in 2008, this multi-year undertaking is based at Gascoyne Inlet. The surveillance demonstration system is unmanned, semi-autonomous, and remotely controlled through a satellite system connection from one of the DRDC centres.

Defence Construction Canada is providing the following annual report, which summarizes the activities in 2021 and outlines the planned activities for 2022. This information is being submitted on behalf of Defence Research and Development Canada (DRDC Atlantic).

Summary of 2021 Activities:

No activities occurred during 2021 due to COVID-related restrictions.

Work Plan for 2022

For the 2022 season DRDC will be maintaining the existing camp. The camp is planned to open late July or early August, it is anticipated that approximately ten (10) personnel will perform maintenance tasks for up to five (5) weeks.

The work objectives for summer 2022:

- Maintenance of camp infrastructure and equipment; and,
- Maintenance of science equipment (camera systems, underwater arrays, fuel cell system, underwater observatory).

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,



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