

Jaida Ohokannoak

From: FPP.CA / PPP.CA (DFO/MPO) <fisheriesprotection@dfo-mpo.gc.ca>
Sent: Thursday, March 19, 2020 12:18 PM
To: Jaida Ohokannoak
Cc: Wren, Lisa; Conway, Amanda; Sophia Granchinho
Subject: RE: 125498 / 19DN049: Department of National Defence's "OP Nanook-Nunalivut 2020" project proposal.

Follow Up Flag: Follow up
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Hello Jaida,

Thank you for your questions regarding the Department of National Defence's "OP Nanook-Nunalivut 2020" project proposal, and specifically their use of C4 explosives to breach the sea ice.

Regarding blasting, studies undertaken by DFO since the release of the "Guidelines for the Use of Explosives In or Near Canadian Fisheries Waters" (1998), suggest that the 100 kPa guideline presented may not be adequate to protect fish from damaging overpressures. As such, DFO recommends using a more appropriate overpressure of 50 kPa to protect fish. If it is possible to meet the 50 kPa target by reducing the size of the charge or by isolating fish from potentially affected waters using a barrier device or by a combination of these measures, DFO would prefer that you take these steps. If measures to reduce the overpressures to 50 kPa are not possible due to requirements of the project design, then the site should be monitored for any death of fish or harmful alternation, disruption or destruction of fish habitat.

Please let us know if you have any further questions.

Sincerely,

Deborah Silver

Biologist | Biologiste

Fisheries and Oceans Canada | Pêches et Océans Canada

Fish and Fish Habitat Protection Program | Programme de protection du poisson et de son habitat

867 Lakeshore Road, Burlington, ON, L7S 1A1 | 867, ch. Lakeshore, Burlington, ON, L7S 1A1

T: (905) 315-5249

Email/Courriel: Deborah.Silver@dfo-mpo.gc.ca

Fisheries and Oceans Canada has changed the way new project proposals (referrals), reports of potential Fisheries Act violations (occurrences) and information requests are managed in Central and Arctic Region (Alberta, Saskatchewan, Manitoba, Ontario, Nunavut and the Northwest Territories). Please be advised that general information regarding the management of impacts to fish and fish habitat (e.g. Measures to Protect Fish and Fish Habitat) that enable you to determine Fisheries Act requirements are available at DFO's "Projects Near Water" website at www.dfo-mpo.gc.ca/pnw-ppe/index-eng.html. For all occurrence reports, or project proposals where you have determined that you cannot avoid impacts to fish and fish habitat, please submit to fisheriesprotection@dfo-mpo.gc.ca. For general inquiries, call 1-855-852-8320.

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