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March 18, 2022

NIRB File No: 21UN004

NPC File No: 149437

Nunavut Impact Review Board (NIRB)
Attn: Mia Otokiak
P.O. Box 1360
Cambridge Bay, NU X0B 0C0

Re: Fisheries and Oceans Canada – Small Craft Harbours’ “Arctic Bay Small Craft Harbour Development” – 2022 NIRB Reporting

Dear Mia Otokiak:

On October 4, 2021, Nunavut Impact Review Board (NIRB) completed the review of the Arctic Bay Small Craft Harbour Development project proposal and issued a Screening Decision Report (SDR) to Fisheries and Oceans Canada- Small Craft Harbours (DFO-SCH).

As identified in the *Monitoring and Reporting Requirements* section of the SDR an Annual report of construction activities is due beginning March 31, 2022. Although construction on the Small Craft Harbour is not expected to begin until August or September 2022, the attached table summarizes the current status of the reporting conditions.

If you have any questions with the content of this letter, please contact Chris McDermid at (431) 335-7530 or by email at Chris.McDermid@dfo-mpo.gc.ca.

Yours sincerely,

Eleanor McEwan, P. Eng.
Senior Project Engineer
Small Craft Harbours Branch
Fisheries and Oceans Canada

cc. Chris McDermid (DFO-SCH)
Kenton Thiessen (Public Services and Procurement Canada)
Harald Kullmann (Advisian)
Victoria Burdett-Coutts (Advisian)

Attachments:

Arctic Bay Harbour NIRB reporting requirements table
Community consultation report #3
Community consultation report #4

DFO- SCH Arctic Bay Harbour NIRB Reporting requirements as identified in the Screening Decision Report

SDR Reporting Conditions	Response
<p>a) A summary of activities undertaken for the year, including:</p> <ul style="list-style-type: none"> ▪ a description of local hires, contracting opportunities and initiatives; ▪ site photos; ▪ any monitoring activities carried out, specifically including monitoring of effects on the marine environment (including but not limited to noise generated by in-water works); 	<p>Public Services and Procurement Canada (PSPC) has issued a tender to hire a contractor for the Clyde River Harbour Project on behalf of Fisheries and Oceans Canada, the proponent for the work. A link to the project posting is below:</p> <p>Arctic Bay, Nunavut, Harbour Development (ET025-222108/A) - Buyandsell.gc.ca</p> <p>Construction has not commenced. In the 2022 season, construction is expected to begin in September, following the arrival of the sea lift. No locals have been hired for the construction of the harbour to-date.</p> <p>The project has been publicly tendered by Public Services and Procurement Canada (PSPC) in accordance with Article 24 of the Nunavut Agreement. Procurement will be restricted to firms registered on the Nunavut Tunngavik Incorporated (NTI) Inuit Firm Registry. The contract will include an Inuit Benefit Plan (IBP) which will consider the employment of Inuit labour, engagement of Inuit professional services, or use of suppliers that are Inuit and Inuit firms carrying out the contracts. The IBP will also consider the undertaking of commitments under the contract with respect to on-the-job training or skills development for Inuit.</p> <p>Site photos were taken in September 2021 while the SCH</p>

	<p>team were in Arctic Bay for consultation meetings. Pre-construction site conditions of the areas where the project will occur are provided in a photo log in appendix A. No construction monitoring has been conducted on site.</p>
<p>b) A work plan for the following year, including any progressive reclamation work undertaken;</p>	<p>Active construction is expected to commence in September 2022. It is anticipated that equipment will arrive on site on the sealift scheduled to arrive late August or early September. 2022 construction activities may include camp set up, accessing the quarry and beginning quarry activities (Blasting) may take place.</p>
<p>c) A summary of community consultations undertaken throughout the year, providing copy of materials presented to community members, a description of issues and concerns raised, discussions with community members and advice offered to the company as well as any follow-up actions that were required or taken to resolve any concerns expressed about the project proposal;</p>	<p>DFO-SCH along with their consultants have carried out two community consultation meetings since the application package for the project was submitted to the Board for review.</p> <p>Consultation meetings occurred in community on the 14th and 15th of September 2021 and on December 1st, 2021.</p> <p>Please see Appendix B for summary reports of the consultations conducted in September and December of 2021.</p>
<p>d) A log of instances in which community residents occupy or transit through the project area for the purpose of traditional land use or harvesting. This log should include the location and number of people encountered, activity being undertaken (e.g., berry picking, fishing, hunting, camping, etc.), date and time; and any mitigation measures or adaptive management undertaken to prevent disturbance;</p>	<p>N/A- Construction activities have not commenced.</p>
<p>e) A discussion of issues related to wildlife and environmental monitoring, including the number of cease-work orders required as a result of proximity marine mammals and any other wildlife;</p>	<p>N/A- Construction activities have not commenced.</p>

<p>f) A brief summary of Wildlife Monitoring and Management Plan results as well as any mitigation actions that were undertaken. In addition, the Proponent shall maintain a record of wildlife observations while operating within the project area and include it as part of the summary report. The summary report based on wildlife observations should include the following:</p> <ol style="list-style-type: none"> 1. Locations (i.e., latitude and longitude), species, number of animals, a description of the animal activity, and a description of the gender and age of animals if possible. 2. Prior to conducting project activities, the Proponent should map the location of any sensitive wildlife sites including marine habitat areas in the project area, and identify the timing of critical life history events (i.e., calving, migration, mating, denning and nesting). 	<p>N/A- Construction activities have not commenced.</p>
<p>3. Additionally, the Proponent should indicate potential impacts from the project, and ensure that operational activities are managed and modified to avoid impacts on wildlife and sensitive sites.</p> <p>g) An analysis of the effectiveness of mitigation measures for wildlife;</p> <p>h) Summary of any heritage sites encountered during the exploration activities, any follow-up action or reporting required as a result and how project activities were modified to mitigate impacts on the heritage sites;</p> <p>i) Summary of its knowledge of Inuit land use in/near the project area and explain how project activities were modified to mitigate impacts on Inuit land use; and</p> <p>j) A summary of how the Proponent has complied with conditions contained within this Screening Decision, and all</p>	<p>Construction activities have not commenced. DFO-SCH has successfully obtained permits, licences, approvals and or Authorizations from the following regulators:</p> <ul style="list-style-type: none"> • Fisheries and Oceans Canada- Fisheries Act Authorization • Transport Canada- Navigation Protection Program Approval • Environment and Climate Change Canada- Disposal at Sea Permit • Nunavut Water Board- Type B licence • Crown-Indigenous Relations and Northern Affairs Canada – Land Use Permit <p>DFO-SCH has reviewed and is committed to complying with the conditions set out in the permits, licences,</p>

conditions as required by other authorizations associated with the project proposal.

approvals and Authorizations issued for the project.

DFO-SCH is also planning on completing an additional Archaeological Impact Assessment in the spring on 2022 to ensure that all areas of the proposed project footprint including; the river crossing, camp, and dredge spoil locations, are thoroughly investigated for features and artifacts.

Appendix A: Pre-construction photo-log



Figure 1-Existing breakwater at the Arctic Bay harbour site (September 2021).



Figure 2- Existing shoreline showing boat dry docking and mooring (September 2021).



Figure 3-Shoreline and existing breakwater at the harbour site (September 2021).



Figure 4- Rock outcrop located at the northern section of the proposed quarry location (September 2021).

Appendix B: Community Consultation reports

1 Introduction

This report summarizes community feedback received during the third round of consultations conducted in Arctic Bay for the Arctic Bay Harbour Development Project (the Project). Harald Kullmann (Project manager and marine infrastructure engineer, Advisian-Ikpiaryuk) and Diane Pinto (community engagement lead, Advisian-Ikpiaryuk) were joined by representatives from Public Services and Procurement Canada (PSPC), Department of Fisheries and Oceans (DFO), and Transport Canada (TC) to conduct consultations in the community from September 14-15, 2021. Previous community consultations for the Project during the current stage were conducted in September 2020 and March 2021 (refer to 317071-00037-00-PM-REP-0001_R0-Consult1 and 317071-00037-00-PM-REP-0001_R1-Consult2).

A community open house hosted by the DFO-Small Craft Harbours (DFO-SCH) was conducted on September 14, 2021 between 3-5pm and 7-9pm. A joint meeting was conducted on September 15, 2021 with the Hamlet; the Ikajutit Hunters and Trappers Association (HTA); QIA local community representatives; and the Arctic Bay Nauttisuqtit (the Guardians). A planned call-in radio show on September 15, 2021 was canceled because the community radio in Arctic Bay is not functioning.

Large-scale posters of the harbour layout, quarry locations, and haul route were provided to support discussions at the meeting and open house. A Project information card, available in English and Inuktitut, was also prepared and distributed to attendees upon arrival at the open house (provided in Appendix A). The Open House was attended by 36 residents, including representatives from the QIA, the guardians and the Hamlet.

The joint meeting began with a prayer provided by Sakiasi Qaunaq. Introductory welcoming remarks were provided by Adele Butcher, the DFO- SCH Project Manager. Discussion during the meeting was led by Joanne Delaronde (Community Engagement for DFO-SCH) for Harbour Management, Harald Kullmann for design, permitting and construction planning, and Jane Tymoshuk (DFO-Fish and Fish Habitat Protection Program) for Fish and Fish Habitat protection. The meeting was guided by a slide presentation that covered the following topics:

- Project Funding and Schedule
- Consultations to Date and Summary of Community Feedback
- Harbour Management
- Results from the Geotechnical Drilling Program
- Field Activities – results from summer 2021 field season and archaeology survey for summer 2022
- Final Layout
- Floating Docks
- Disposal of Dredged Sediments (Disposal at Sea)
- Quarry and Haul Route - including mitigation measures to address dust, noise and public safety
- Permitting – including the NIRB Screening Process
- DFO – Fish and Fish Habitat Protection Program
- Transport Canada (TC) – Navigation Protection Program
- Local Employment and Business Opportunities
- Construction - workforce, camp, activities, laydown
- Construction – anticipated impacts and mitigation

4 Community Feedback – Joint Meeting

4.1 Harbour Management

- The SCH is a reality because the QIA negotiated this harbour. We will need time to discuss among us who will be part of the harbour management group.
 - Joanne DeLaronde – Yes, of course. We understand that you'll need time to discuss among the various groups to determine what harbour management structure will work best for your community . Would November provide enough time to determine the roles and structure of the harbour authority?
- We have to consider who will be the representatives for this group. Some of us will be ending our terms and an election is coming up so people will change. Suggest that considering the upcoming election is in October, the harbour management group be appointed after the elections.
- After the elections is fine but the community will appoint roles to the harbour management group, not individuals.
- QIA prefers that the harbour authority or management group not include a QIA representative. The QIA community representative already deals with too much in the community, it would be too much for this role to be included.
- HTA agrees. The QIA already has a big expanse of responsibilities in the community. The HTA should be involved in the harbour authority but the QIA should be exempt from this group.
- As owners, will DFO be responsible and make sure the harbour is safe and properly maintained and inspected?
 - Joanne DeLaronde – yes, as the facility owner, DFO will be responsible for maintaining the facility, including any required inspections and repairs.
- Suggest sending people to Pangnirtung for training to learn about how to manage the harbour and the responsibilities of the harbour authority.

4.2 Hauling

- How many trucks trips would one truck do a day?
 - Harald Kullmann – I'm not sure. I do know that for 12,000 truck trips, we need 3-4 trucks, 35-ton trucks.

4.3 Boat Protection and Access to Water

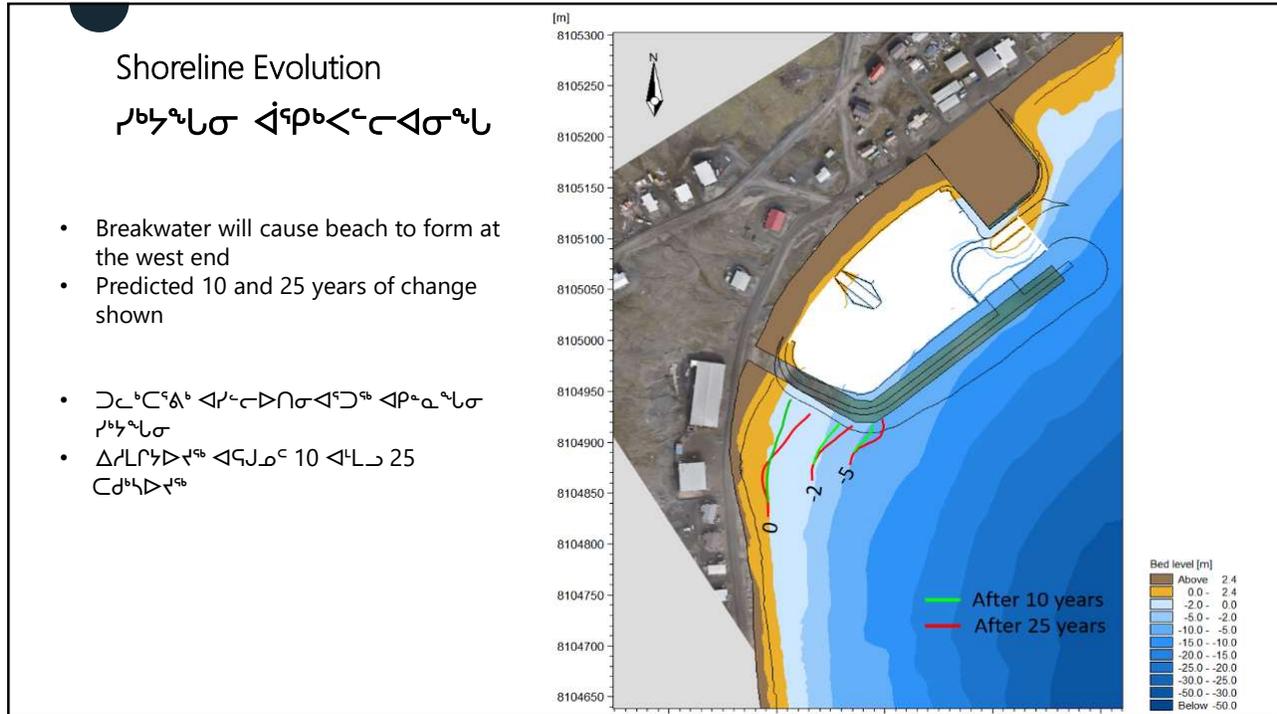
- We live in a bay and we don't have any shelter during a southern storm. Please look at options for protecting boats during construction and ensuring that boaters will have continued access to the water at all times.



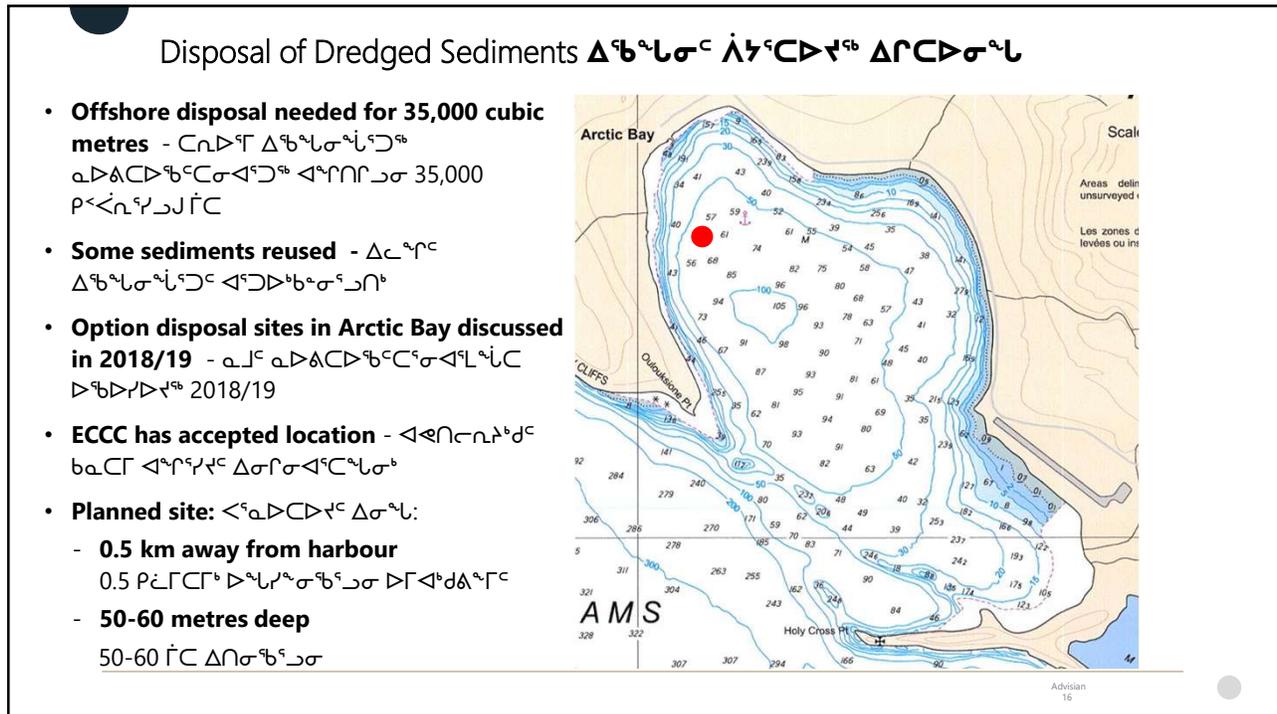
Appendix A
Project Information Card



Appendix B
Presentation Slide Deck – September 15, 2021



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Quarry Location and Haul Route – ԾՎՎԵՐՑՆԻ ԾՐԵՐՑՏԵՆԻ ՎԷԼՆԱ ՎՅԵՃՈՒ

ԾՎՎԵՐՑՆԻ
ԵՌՈՒՆՆԻ
Stockpiles

ԾՎՎԵՐՑՆԻ
Quarry

ՇՐՏԻ ԱՐՏՑՆԱՆՏԵՆԻ ՎՃՐՆԵՐՎՈՒՄ
Dead Dog Lake

Առաջին փուլի ընթացքում իրականացվելու է հետևյալը:

- ՎճՐՆԵՐԼՈՒՄ
- Ֆինանսավարկային կազմակերպություններին – ԷԼԵՎՈՒՄ, ՖԻՆԱՆՍԻՆԻ, ԻՎԵՍՏԻՆԻ, ՈՒՆԵՍԿՆԻ ԿՐԻՍՏՈՒՄ
- Ֆինանսավարկային ընթացքում ձեռնարկ
- ՎճՐՆԵՐԼՈՒՄ ԵՎ ԿԱՆԵՎՈՒՄԻ ԿԱՆՈՒՄ

Public Safety:

- Road closures
- Blasting Notices –radio, social media, hamlet, posted on bulletin boards
- Blasting usually at the same time every day
- Fencing to catch any rocks rolling down hill

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Quarry ԾՐԵՐՑՆԻ

- Upstream of Alternate Water Supply Lake
ՈՐՈՒՆՆԵՐ ՇՐՏԻ ԱՐՏՑՆԱՆՏԵՆԻ ԱՆՎՈՐՆԵՐ
- Management plan with measures to control sediment and blast residuals that could leach into the lake
ՎՃՐՆԵՐԼՈՒՄ ԵՎ ԲՆԱՆՈՒՄ ԿՐԻՍՏՈՒՄ ԵՎ ԿԱՆՈՒՄ ԿՐԻՍՏՈՒՄ ԵՎ ԿԱՆՈՒՄ ԿՐԻՍՏՈՒՄ
- Potential for falling rock will be managed with fencing
ՎՃՐՆԵՐԼՈՒՄ
- Marble/soapstone deposit beside quarry will be stockpiled for local use. Local carvers are engaged in planning.
ԿԱՆՈՒՄ ԵՎ ԿԱՆՈՒՄ ԿՐԻՍՏՈՒՄ ԵՎ ԿԱՆՈՒՄ ԿՐԻՍՏՈՒՄ
- Additional archeological assessment needed (July 2022).
ԱՆՎՈՐՆԵՐ (ՎՃՐՆԵՐԼՈՒՄ 2022)



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Construction – Impacts and Mitigation

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- Fuel and other spills
 - Spill Response Plan
 - Refuel away from the water
 - Service equipment
 - Drip trays and other methods to catch small spills and leaks
 - Spill kits – booms, absorbent pads etc. on site
- Sediment and Erosion
 - Install Erosion controls to prevent soil movement
- ስራው ላይ ለሚገኙ ልዩ ልዩ ስራዎች
 - ልዩ ልዩ ስራዎች ካዲትሎ ላይ ማድረግ ለማድረግ
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CEMP
CONSTRUCTION ENVIRONMENT MANAGEMENT PLAN
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Permitting ለማድረግ ለማድረግ ለማድረግ

- Nunavut Impact Review Board (NIRB) – Submitted August 18
- ልዩ ልዩ ስራዎች ለማድረግ ለማድረግ ለማድረግ
- Nunavut Water Board – water withdrawal, redirection
- ልዩ ልዩ ስራዎች ለማድረግ ለማድረግ ለማድረግ
- Transport Canada – Navigation Protection Program
- ልዩ ልዩ ስራዎች ለማድረግ ለማድረግ ለማድረግ
- DFO - Fish and Fish Habitat Protection Program
- ልዩ ልዩ ስራዎች ለማድረግ ለማድረግ ለማድረግ
- ECCC – Disposal at Sea Application
- ልዩ ልዩ ስራዎች ለማድረግ ለማድረግ ለማድረግ



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