

**From:** [Patreau, Elizabeth](#)  
**To:** [Robin Ikkutisluk](#)  
**Cc:** [Karen Kharatyan](#); [jtologanak@gov.nu.ca](mailto:jtologanak@gov.nu.ca); [arlen.foster@stantec.com](mailto:arlen.foster@stantec.com); [Brian Duguay](#)  
**Subject:** RE: 130823 3AM-GRA1015 GN-CGS Hamlet of Rankin Inlet - Amendment Application - Kivalliq Distribution  
**Date:** Monday, September 16, 2013 2:28:13 PM  
**Attachments:** [image003.png](#)

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Fisheries and Oceans Canada (DFO) is pleased to provide the following questions/comments in support of the Nunavut Water Boards request for Information Requests due September 20, 2013.

Please reference **DFO file NU-09-0037**

Section 3.4.3 of the December 2010 Final Design Report indicates: "The intake type proposed is a screened intake 'can' connected to the flexible intake line. The 'can' is constructed of Stainless Steel, with openings in the wire mesh of 0.1 inch (2.5 cm). It is capable of flowing up to 770 USGPM, the anticipated flow rate of the 250 mm pipeline." This information does not appear to adhere to the Fisheries and Oceans Freshwater Intake End of Pipe Guide which can be found: <http://www.dfo-mpo.gc.ca/library/223669.pdf> The fish screen criteria for open screen area and screen mesh size is typically 2.54mm, not 2.5cm.

DFO would like to confirm whether or not the final intake design will adhere to the DFO Freshwater Intake Guide.

Section 3.5 of the December 2010 Report - Pipeline Discharge – what is the purpose of the proposed outfall? How is the concrete pad proposed to be constructed (poured in place, or moved to site). What is the velocity of discharge exiting this outfall and the dimensions of the outfall energy dissipation pad? Has any information on fish and fish habitat at the outfall location been gathered?

Section 3.6 - The pump is proposed to be situated next to Lower Landing Lake. Has the Proponent considered any spill containment/mitigation to prevent the diesel from entering the Lake?

Has an assessment of the current impact of water withdrawal on fish and fish habitat from Nipissar Lake taken place?

Was an evaluation of the fish and fish habitat in the river in which the intake is proposed to be located in, and waterbodies upstream and downstream been conducted?

Does the Proponent have information to conclude that fish and fish habitat will or will not be affected by the proposed new intake in all seasons (spring, summer, fall, winter)

Currently the Proponent proposes only summer withdrawal. Has the Proponent considered impacts to fish and fish habitat during low flow periods, and will there be sufficient flow for fish passage during the period of water withdrawal upstream and downstream of the intake?

Does the Proponent have a preliminary design of the proposed intake that can be provided?

Will dredging be required to facilitate construction and placement of the intake? And if so, how often will maintenance dredging be required?

Will the proposed pipeline be required to cross any other watercourses/waterbodies?

Has any consultation taken place with respect to potential impact to fishing in the River in which the intake is proposed to be located in, and if so, what comments have been received, and were they considered in the proposal?

As there is a fish habitat compensation project which is currently being monitored and was constructed by Agnico-Eagle for the Meliadine Mine Project, has consideration been given towards any potential impact to the Agnico compensation project as a result of potential lower water levels resulting from the intake?

Does the Proponent have any mitigation measures proposed for this project to prevent impacts to fish and fish habitat as a

result of this intakes construction and operation?

Thank you,

**Elizabeth Patreau**

Senior Fisheries Protection Biologist

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**From:** Robin Ikkutisluik [<mailto:robin.ikkutisluik@nunavutwaterboard.org>]

**Sent:** August 23, 2013 6:19 PM

**To:** [jtologanak@gov.nu.ca](mailto:jtologanak@gov.nu.ca); [arlen.foster@stantec.com](mailto:arlen.foster@stantec.com)

**Cc:** Martha Porter; Megan Porter; Phyllis Beaulieu; Robin Ikkutisluik

**Subject:** 130823 3AM-GRA1015 GN-CGS Hamlet of Rankin Inlet - Amendment Application - Kivalliq Distribution

Hello,

Notice to all Parties:

As per the attached letter, the Nunavut Water Board (Board) is providing an opportunity for parties to submit Information Requests (IRs) which should identify additional information and/or studies that may be required to evaluate all quantitative and qualitative effects of the undertaking in relation to the current water licence, project certificate concordance with respects to the NWB mandate and application before the Board.

Accordingly, by copy of this letter, the NWB is asking interested persons to review the scope of the information provided and identify any deficiencies requiring an additional response from the Applicant. The IR's should be submitted to the board by **September 13, 2013**. All submissions should be provided to the Manager of Licensing at [licensing@nunavutwaterboard.org](mailto:licensing@nunavutwaterboard.org).

All Amendment documents are available on our ftp site at the following link (username *public* password *registry*)

<ftp://nunavutwaterboard.org/1%20PRUC/3%20MUNICIPAL/3A/3AM%20-%20Municipality/3AM-GRA1015/1%20APPLICATION/2012%20Amendment/>

Regards,



## Robin Ikkutisluk- ᑲᐱᑦ ᐃᑖᑎᓴᑖ

Licence Administrator Assistant- Administratrice des permis

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NUNAVUT WATER BOARD - OFFICE DES EAUX DU NUNAVUT

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