



NIRB File No.: 15UN040
NWB File No.: 3BM-IGL1520

October 28, 2015

Brian Flemming
Hamlet of Igloolik
P.O. Box 30
Igloolik, NU X0A 0L0

Sent via email: igloolik@magma.com

Re: Opportunity to address comments received regarding the Hamlet of Igloolik's "Igloolik Sewage Lagoon" project proposal

Dear Brian Flemming:

On May 26, 2015, the Nunavut Impact Review Board (NIRB, or Board) received the Hamlet of Igloolik's "Igloolik Sewage Lagoon" project proposal from the Nunavut Water Board, and on July 8, 2015 the NIRB received the project proposal from the Government of Nunavut-Community and Government Services (GN-CGS) with a request to screen the project. NIRB has assigned this project proposal file number 15UN040.

After conducting a preliminary completeness check, the NIRB noted that additional information would be required to screen the project, which the Proponent submitted to the NIRB on September 17, 2015. On September 21, 2015 the NIRB invited interested parties and municipalities most affected by the Hamlet of Igloolik's project to provide comments directly to the NIRB by October 13, 2015.

On or before October 13, 2015 the NIRB received comments from the following interested parties:

- **Hamlet of Igloolik**
- **Aboriginal Affairs and Northern Development Canada (AANDC)**
- **Environment Canada (EC)**

All comments and documents received pertaining to this project proposal can be obtained from NIRB's online public registry site, at <http://ftp.nirb.ca/01-SCREENINGS/ACTIVE%20SCREENINGS/15UN040-Hamlet%20of%20Igloolik-Sewage%20Lagoon%20Type%20B/>.

A summary of the main concerns raised by parties, relate to the following:

Associated quarrying activities

- In the Design Brief, references to E1 and N1 are noted as the preferred sources of quarry material for the upgrading of the sewage lagoon, however in the NIRB forms, it is unclear if the quarries E1 and N1 have been previously screened by the NIRB. Clarification is therefore required as to whether the E1 and N1 quarry sites have been previously assessed by the NIRB, and if so please provide any associated NIRB file numbers. It should be noted that if the impacts of any component of a project proposal that were not previously screened may be considered a significant modification to the project and change to the original scope of the project.
- If a new quarry area is being proposed solely to complete the undertaking of this proposal, further information is required on the amount and type of granular materials to be extracted and the location of pits that are to be sourced from the E1 and N1 quarry sites discussed in the Design Brief. A NIRB Part 2 form outlining the quarrying activity would be required if the activity had not yet been assessed.

Use of existing access roads

- Clarification is required on whether existing roads to the quarry and sewage lagoon sites will be used, and that there will be no construction of new roads (winter or all-season).

Installation of liners beneath exfiltration cells

- Confirmation is required as to whether an impervious liner will be installed beneath all new and existing sewage exfiltration cells. The details of this component were discussed as a preferred option in the Design Brief, but not confirmed.

Plans and other documentation

- During the comment period AANDC noted that the Spill Contingency Plan submitted was specific to quarries and did not include the conversion of sewage cells. An updated Spill Contingency Plan should be provided which includes current project proposal activities and contingencies to manage potentially hazardous waste spills from the lagoon.
- Further information is required regarding the anticipated generation of hazardous waste which is referenced in the application, and how this would be occurring related to the construction and operations of the new sewage lagoon facility, and the Proponent's plan to remove and process hazardous waste that is generated.
- Provide additional reports referenced in the Design Brief including: the geothermal report, geothermal analysis report, vegetated filterstrip wetland report, and associated environmental assessment reports.

Wildlife and wildlife habitat

- During the comment period AANDC has recommended that an updated wildlife survey of the borrow areas to ensure that there is no damage to wildlife habitat during quarrying or other project related activities. If the quarrying activities have not yet been assessed by the NIRB, please provide additional information on how this would be considered at the time of the assessment. If the quarrying activities have been previously assessed, please provide a general indication on if wildlife surveys are required in the management of those areas.

Noise and dust

- Further information is required on what measures will be taken to mitigate the impacts of noise and dust levels as a result of constructed-related activities.

Due to these concerns, the NIRB would like to provide the Hamlet of Igloolik with an opportunity to address all the comments prior to the Board making its decision to the Minister. The NIRB requests that a response be provided directly to the NIRB by **November 6, 2015**.

Please send your comments to the NIRB at info@nirb.ca or via fax at **(867) 983-2594**.

If you have any questions or require clarification, feel free to contact the undersigned at (867) 983-4622 or ezell@nirb.ca.

Sincerely,



Erika Zell
Assistant Technical Advisor
Nunavut Impact Review Board

cc: Distribution List
Bhabesh Roy, Government of Nunavut–Community and Government Services
Phyllis Beaulieu, Nunavut Water Board