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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

File No.: 3BM-PEL0712/F1

February 22, 2010

Andre Larabie, SAO
Hamlet of Kugaaruk
PO Box 205
Kugaaruk, NU X0B 1K0
Email: sao_kug@qiniq.com

**RE: Hamlet of Kugaaruk, Sewage Treatment Facility, Operation & Maintenance Manual
Approval for Licence 3BM-PEL0712, Part F, Item 1(ii), Type “B”**

Dear Mr. Larabie:

The Nunavut Water Board (“NWB”) received the Manual entitled “Hamlet of Kugaaruk, NU, Sewerage Treatment Facility, Operation & Maintenance Manual” dated October 6, 2009, on November 3, 2009. On December 10, 2009, the NWB acknowledged receipt of the Manual and distributed it for a public review period with a deadline of January 15, 2010. Submissions were received from Indian and Northern Affairs Canada, Environment Canada and the Government of Nunavut–Department of Environment. Following a thorough review of the Manual and submissions, the document fulfills the requirements of the Licence 3BM-PEL0712 and has been approved by the NWB under **2009-21-L01**. Although the Manual is technically functional, to address minor issues raised by the parties, the NWB requires an addendum to the approved Manual within sixty (60) days following approval by the Board. The addendum is to include or address the following:

1. Provide detailed procedures with respect to addressing service disruptions;
2. Identify remedial actions to handle sludge containing excessive levels of contaminants and sludge forming extremely thick blankets;
3. Provide relevant method to sample sludge and perform sludge-depth measurements;
4. Update historical information to include
 - a. the dimensions of the new sewerage treatment facility;
 - b. the date it was constructed;
 - c. the date the new facility was commissioned;

5. Provide methods of controlling access, besides the use of large boulders, and methods for managing insects and weeds;
6. Provide actual contact numbers for and the names of the persons responsible for operating and maintaining the facility;
7. Provide measures to address unfavorable operating conditions like extreme short-circuiting/stagnation and excessive odour.
8. Update site description to include a map depicting the following features:
 - a. location of the facility;
 - b. size of the facility;
 - c. topography;
 - d. Water bodies and flow direction;
 - e. buildings roads and other infrastructure; and
 - f. Environmentally sensitive areas.

Should you have any questions, please do contact the undersigned at 867-360-6338 ext. 25 or by email at sjoseph@nunavutwaterboard.org.

Yours truly,

Original Signed By:

Sean Joseph
Technical Advisor

cc: Distribution List – Kitikmeot
Jennifer Spencer – Dillon Consulting Limited