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NUNAVUT WATER BOARD  
NUNAVUT IMALIRIYIN KATIMAYINGI  
OFFICE DES EAUX DU NUNAVUT

**File No.: 3BM-GJO1318/TR/G1**

November 25, 2014

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**Subject: Licence No. 3BM-GJO1318 “Hamlet of Gjoa Haven” Kitikmeot Region,  
Nunavut;  
Submission of Sewage Lagoon – Abandonment and Reclamation Plan**

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Dear Mr. Alam and Mr. Strong,

On October 14, 2014, the Nunavut Water Board (“NWB” or “Board”) has received the document entitled “Gjoa Haven, NU Sewage Lagoon – Abandonment and Reclamation Plan – Updated Fall 2014” (A&R Plan), dated October 14, 2014 that was submitted for the Board approval as a requirement of Part G, Item 1 of the Licence 3BM-GJO1318.

The updated A&R Plan is to replace the originally submitted document dated July 18, 2014. As the Licencee is aware the original A&R Plan was distributed for third parties review and comments on August 5, 2014, and comments were received from Aboriginal affairs and Northern Development Canada (AANDC). The Board acknowledges that the current updated A&R Plan is to address the recommendations received from AANDC and the NWB during a number of communications throughout August and September 2014 as well as the AANDC Inspector’s Direction of August 26, 2014.

The A&R Plan was distributed for public review and comments on October 16, 2014, and comments were received from AANDC on October 30, 2014. AANDC has recommended that an up-to-date decommissioning schedule be submitted when more information is available regarding the potential removal of sludge in 2015. It was also recommended that the Licensee notify the NWB with respect to the potential implementation of new sewage lagoon sludge management strategy.

The A&R Plan states that *alternatively, the sludge can be removed from the old lagoon bed and used in the landfill as cover material. Results from the sampling of the de-watered sludge will be provided to the NWB prior to moving any of the sludge for final disposal.*

It is also stated that *as per AANDC directives, the repurposed berm material will be repatriated and stockpiled at its original site at the beginning of the 2015 construction season.*

The Board notes that according to the current approved “Sewage Treatment Facility Operation and Maintenance (O&M) Plan” dated, August 15, 2013 the new lagoon will be de-slugged when the sludge level reaches approximately 0.3 m thick at the bottom sedimentation which is estimated to occur in 5 to 10 years. **The Licensee is advised to update the O&M Plan for Board review should the sludge management strategy or the anticipated schedule changes the sludge management provided with O&M Plan.**

The updated A&R Plan was found to be meeting the reporting requirements of licence 3BM-GJO1318. The NWB has, therefore, approved the Plan under Board Motion No. 2014-B1-036, dated November 24, 2014.

However, the Licensee is reminded that as per Part B, item 1 of the Licence the Licensee shall file an Annual Report on the Appurtenant Undertaking ..., containing the following information:

- G a summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year.

The Licensee is also advised that as per Part B, Item 10 of the Licence

The Licensee shall review the Plans referred to in this Licence, as required by changes in operation and/or technology, and modify the Plan accordingly. Revisions to the Plans shall be submitted in the form of an Addendum to be included with the Annual Report.

Should you have any questions, please feel free to contact the undersigned at (867) 360-6338 Ext. 30 or [karen.kharatyan@nwb-oen.ca](mailto:karen.kharatyan@nwb-oen.ca), at your earliest convenience.

Yours truly,

Karén Kharatyan  
Technical Advisor

cc: Distribution List – Kitikmeot