



November 5, 2014

Mr. Samir Patel
Project Manager
Department of Community Services
Government of Nunavut
PO Box 379
Pond Inlet, NU X0A 0S0

**Re: OTT-00019838-A0 Relevance of 2010 Geotechnical Investigation
Igloolik Wastewater Treatment Facility**

Dear Mr. Patel:

As requested, the following letter provides comment from **exp** regarding the relevance of our 2010 geotechnical investigation for the above-referenced project, given that final design has been delayed into 2014.

It is noted that even relatively minor site disturbance such as clearing of surficial soils, changes to grades resulting in the ponding of water and/or stockpiling of snow over areas within the proposed expansion footprint(s), would be expected to impact on the ground thermal regime throughout those areas. Site disturbance can result in permafrost degradation and increased active layer thickness, which may impact on final design and construction.

It is understood that no significant changes have been made to the design options that were being explored at the time of our investigation. It is further understood that the site has not been disturbed/alterd in any significant way since our 2010 investigation. A Geotechnician from **exp** did visit the site in August of 2014 and there were no obvious signs that the site had been altered or disturbed since our investigation. Therefore based on the available information, the recommendations included in our 2010 geotechnical report should remain valid for the proposed wastewater treatment facility.

If the site has been disturbed/alterd since our 2010 investigation then our 2010 recommendations may no longer be relevant and further investigation may be required.

exp Services Inc.

*Client: Department of Community Services Government of Nunavut
Re: Relevance of 2010 Geotechnical Investigation
Igloodik Wastewater Treatment Facility
Project Number: OTT-00019838-A0
Date: November 5, 2014*

We trust the above is adequate for your current purposes. Please contact the undersigned if you have any further questions.

Sincerely,
exp Services Inc.



Jason A. Smith, P.Eng.
Senior Project Manager, Geotechnical Services



Surinder K. Aggarwal, M.Sc., P.Eng.
Senior Project Manager, Geotechnical Services