

VIA EMAIL

October <sup>10</sup>~~8~~, 2014

Mr. Roger Connelly, Vice - Chairperson  
Inuvialuit Water Board  
PO BOX 2531  
INUVIK NT  
XOE OTO

**File No. N7L1-1835**

Dear Mr. Connelly:

**Water Licence N7L1-1835 - Inuvik to Tuktoyaktuk Highway (ITH) Project  
Response to Inuvialuit Water Board Letter Dated September 8<sup>th</sup>, 2014**

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The following is in response to the Inuvialuit Water Board's (IWB) letter dated September 8, 2014 regarding Part B Item 2i) and Paragraph 3.1.9 of the Department of Transportation's 2013 Annual Report to the Inuvialuit Water Board (Rev. August 15, 2014) – Report on Required and Future Planned Studies. We have provided our responses following each request by the IWB.

- 2. Further to Part B, Item 2j) of the Water Licence, the Developer's consultants recommended Shake Flask Extractions be completed on material from Granular Source Pits and for I401A in particular. The developer shall within 30 days of the date of this letter, provide an update to the IWB on the expected time of completion of the Shake Flask Extractions on material from Granular Source Pits I401A, 170 and 177 and the submission of the report to the IWB.***

At this time, no Shake Flask Extractions are planned for Borrow Sources I401A, 170 and 177. The Department of Transportation (DOT) is waiting for the results and recommendations from the four Borrow Sources that were investigated during the winter of 2014 before moving ahead on the Shake Flask Extraction for Borrow Source I401A. The consultant's report is expected to provide a discussion on both the existing and potential granular material sources that were tested in 2014. This report will guide DOT in making decisions on any future testing requirements and how the information can improve the effectiveness of the ITH Environmental Management Plans.

The DOT will continue to monitor the quality of water flowing from the pits until freeze up in 2014 and again during the 2015 and 2016 water flow periods. Additional material sampling will be done during the winter of 2014-2015 at prescribed intervals for analysis. Should the DOT proceed with the Shake Flask

Extractions, this testing will be carried out after further material analysis and any technical memos resulting from these extractions will be forwarded to the IWB for their files.

***The Developer's consultants noted that Shake Flask Extractions are being completed on the borrow sources that underwent geotechnical investigations in 2014. The Developer shall also submit the results and analysis of the metal leaching and acid rock drainage testing on these borrow sources in accordance with Part C, Item 10 of the Water Licence.***

At this time, no Shake Flask Extractions are currently being carried out on the four potential borrow sources that underwent geotechnical investigations in 2014. The sampled materials from these four potential/future borrow sources are undergoing the same analyses as was carried out for the three sources used in the roadway construction during the winter of 2014. After the geochemistry analysis has been evaluated for the four future borrow sources, the results will be shared with the IWB as previously done for the sources used during the winter of 2014.

The DOT acknowledges the requirements under Part C, Item 10 of the Water Licence and will provide the required information accordingly.

Should you have any questions in regards to the above, do not hesitate to contact me at [kevin\\_mcleod@gov.nt.ca](mailto:kevin_mcleod@gov.nt.ca) or Larry Purcka at [larry\\_purcka@gov.nt.ca](mailto:larry_purcka@gov.nt.ca).

Yours truly,



Kevin McLeod, P.Eng  
Director Inuvik to Tuktoyaktuk  
Highway Project

c.c. Stephen Charlie, Regional Superintendent, ENR – Inuvik  
Russell Newmark, President, EGT Northwind Ltd. - Tuktoyaktuk