

October 2, 2018

Mr. Kevin McLeod
Director - Inuvik to Tuktoyaktuk Highway Project
GNWT Department of Infrastructure
P.O. Box 1320
Yellowknife, NT X1A 2L9

Dear Mr. McLeod:

**RE: N7L1-1835 – GNWT, DEPARTMENT OF INFRASTRUCTURE – INUVIK TO
TUKTOYAKTUK HIGHWAY PROJECT - 2017/2018 ANNUAL REPORT**

The Inuvialuit Water Board (IWB) acknowledges receipt of the above-mentioned annual report. Upon review, the following information gaps were noted as required by Water Licence N7L1-1835 General Conditions Part B, Item 2:

1. Part B, Item 2 f) as required by the Surveillance Network Program (SNP) Schedule 1, Part B, Items 1, 2 and 3:
 - a. Annual Report – Page 7, Section 3.1.6.1: this section reported that 36 water course crossings (out of total 68 water course crossings) were sampled during 2017 open water season. Provide reasons for not collecting samples during the 2017 open water season for the outstanding 32 water course crossings SNP stations.
 - b. Annual Report - Appendix A – Map of Sampling Locations - Page 1/5, ITH – SNP AEMP 1 to 4: the SNP sampling sites established in year 4 are not depicted on the map. This map needs to be updated to depict SNP sites established in year 4 and resubmitted.
 - c. Annual Report – Page 10, Section 3.1.6.4: this section reported exceedances for some of the parameters at water course crossings and water drainage leaving the pit and/or entering the receiving environment. Further information is required of whether all the exceedances were immediately notified to the inspector as per water licence Part E, Item 9 and provide a description of the measures implemented to prevent further exceedances.
2. Part B, Item 2 j):
 - a. The cover letter indicated that “the thermistor data collection and interpretation has yet to be completed, and therefore is not included in the

annual report". Provide a submission timeline of the ground temperature profiles (thermistor data) complete with interpretations.

b. As requested by the IWB on May 4, 2018:

- the actual GPS coordinates of the thermistor locations to be provided and compared to INF's May 26, 2016 proposed locations.
- provide a map of the thermistor locations identified on a map with the redesigned road sections.
- provide March 2017 ground temperature installation logs and data collected since installation.

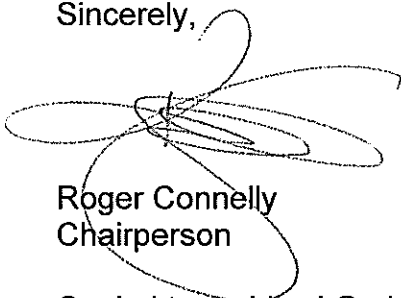
3. Part B, Item 2 k): As requested by the IWB on May 4, 2018 – provide a description of update(s) to the Permafrost Monitoring Plan, and any other relevant plans to reflect the 2017 monitoring locations and their monitoring frequency.

4. Part B, Item 2 q): provide an outline of any reclamation work anticipated for the next year (2018 – 2019).

Please submit two (2) hard copies and two (2) CDs of the above additional information requested. Submitted documentation, including all related IWB correspondence, will be placed on the IWB Public Register.

Should you have any questions or concerns regarding these matters, please contact the IWB Executive Director Mardy Semmler at 867-678-8609 or semmlerm@inuvwb.ca.

Sincerely,



Roger Connelly
Chairperson

Copied to: Lloyd Gruben – Water Resources Officer, ENR – Inuvik
Dean Ahmet – Senior Program Manager - ITH, INF - Inuvik