September 3, 2015

Philippe Thibert-Leduc
Water Resource Officer
Environment and Natural Resources
Government of the Northwest Territories
P.O. Box 2749
Inuvik, N.T. X0E 0T0

Dear Mr. Thibert-Leduc:

RE: REQUEST FOR EMERGENCY DECANT FOR TUKTOYAKTUK SOLID WASTE SITE

The Hamlet of Tuktoyaktuk is requesting an emergency decant for our Solid Waste Site. I did an inspection yesterday and did a measurement of the free board, which is less than half of meter. The Hamlet is scheduled to send out sample tomorrow morning to Taiga Labs in Yellowknife. I will send you the results as soon as I receive them.

We are also sending samples for our Sewage Lagoon tomorrow as well for the 2015 Sewage Lagoon Decant.

If you need any more information let me know.

Regards,

Davy Krengnektak
Municipal Works Manager
Hamlet of Tuktoyaktuk
PH: 867 977 2479
CELL: 867 678 0399
FAX: 867 977 2110
E-mail: tukforeman@northwestel.net

Taiga Environmental Laboratory
4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9
Tel: (867)-765-6645 Fax: (867)-873-2652

Taiga Batch No.: 150847

- FINAL REPORT -

Prepared For: Hamlet of Tuktoyaktuk

Address: P.O. Box 120
Tuktoyaktuk,NT
X0E 1C0

Attn: **Sandy Adam** **Facsimile: (867) 977-2110**

Final report has been reviewed and approved by:

Glen Hudy
Quality Assurance Officer

NOTES:

- Test methods and data are validated by the laboratory's Quality Assurance Program. Taiga Environmental Laboratory is accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) to ISO/IEC 17025 as a testing laboratory for specific tests registered with CALA.
- Routine methods are based on recognized procedures from sources such as
  - Standard Methods for the Examination of Water and Wastewater APHA AWWA WEF;
  - Environment Canada
  - USEPA
- Samples shall be kept for thirty (30) days after the final report is issued. All microbiological samples shall be disposed of immediately upon completion of analysis to minimize biohazardous risks to laboratory personnel. Please contact the laboratory if you have any special requirements.
- Final results are based on the specific tests at the time of analysis and do not represent the conditions during sampling.

ReportDate: Thursday, September 24, 2015
Print Date: ***Thursday, September 24, 2015***

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: Sewage Lagoon **Taiga Sample ID:** 001

Client Project:
Sample Type: Water
Received Date: 16-Sep-15
Sampling Date: 16-Sep-15
Sampling Time: 8:25
Location: Sewage Lagoon SNP-0714-2
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Inorganics - Nutrients						
Ammonia as Nitrogen	5.70	0.005	mg/L	22-Sep-15	SM4500-NH3:G	
Biochemical Oxygen Demand	23	2	mg/L	16-Sep-15	SM5210:B	
Inorganics - Physicals						
pH	8.11		pH units	17-Sep-15	SM4500-H:B	
Solids, Total Suspended	95	3	mg/L	23-Sep-15	SM2540:D	
Microbiology						
Coliforms, Fecal	30000	1000	CFU/100mL	16-Sep-15	SM9222:D	
Organics						
Hexane Extractable Material	4.2	2.0	mg/L	21-Sep-15	EPA1664A	

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: Solid Waste Site **Taiga Sample ID:** 002

Client Project:
Sample Type: Water
Received Date: 16-Sep-15
Sampling Date: 16-Sep-15
Sampling Time: 8:39
Location: Solid Waste Site
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Inorganics - Nutrients						
Biochemical Oxygen Demand	3	2	mg/L	16-Sep-15	SM5210:B	
Inorganics - Physicals						
pH	8.07		pH units	17-Sep-15	SM4500-H:B	
Solids, Total Suspended	6	3	mg/L	23-Sep-15	SM2540:D	
Microbiology						
Coliforms, Fecal	< 1	1	CFU/100mL	16-Sep-15	SM9222:D	
Subcontracted Organics						
Polychlorinated Biphenyls	< 0.00005	0.00005	mg/L	21-Sep-15	EPA3510	
Trace Metals, Total						
Cadmium	< 0.1	0.1	µg/L	23-Sep-15	EPA200.8	
Chromium	0.3	0.1	µg/L	23-Sep-15	EPA200.8	
Cobalt	0.2	0.1	µg/L	23-Sep-15	EPA200.8	
Copper	1.2	0.2	µg/L	23-Sep-15	EPA200.8	
Iron	422	5	µg/L	23-Sep-15	EPA200.8	
Lead	0.3	0.1	µg/L	23-Sep-15	EPA200.8	
Manganese	21.4	0.1	µg/L	23-Sep-15	EPA200.8	

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: Solid Waste Site **Taiga Sample ID:** 002

Mercury	0.03	0.01	µg/L	23-Sep-15	EPA200.8
Nickel	3.0	0.1	µg/L	23-Sep-15	EPA200.8
Zinc	12.7	5	µg/L	23-Sep-15	EPA200.8

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: Solid Waste Site **Taiga Sample ID:** 002

*** Taiga analytical methods are based on the following standard analytical methods**

SM - Standard Methods for the Examination of Water and Wastewater

EPA - United States Environmental Protection Agency

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