



Taiga Environmental Laboratory
4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9
Tel: (867)-767-9235 Fax: (867)-920-8740

Taiga Batch No.:
190495

- FINAL REPORT -

Prepared For: Community Government of Wekweeti

Address: P.O. Box 69
Wekweeti, NT
X1A 1W0

Attn: SAO

Facsimile: (867) 713-2030

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.

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Taiga Batch No.:
190495

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **001-2**

Taiga Sample ID: **001**

Client Project: W2007L3-0001

Sample Type: Sewage effluent

Received Date: 10-Jul-19

Sampling Date: 10-Jul-19

Sampling Time: 11:00

Location: Wekweeti

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Nutrients</u>						
Biochemical Oxygen Demand	2	2	mg/L	10-Jul-19	SM5210:B	
<u>Inorganics - Physicals</u>						
pH	7.23		pH units	11-Jul-19	SM4500-H:B	
Solids, Total Suspended	10	3	mg/L	16-Jul-19	SM2540:D	
<u>Microbiology</u>						
Coliforms, Fecal	< 1	1	CFU/100mL	10-Jul-19	SM9222:D	
<u>Organics</u>						
Hexane Extractable Material	< 2.0	2.0	mg/L	19-Jul-19	EPA1664A	
<u>Subcontracted Nutrients</u>						
Ammonia as Nitrogen	< 0.0050	0.005	mg/L	14-Jul-19	SM4500 NH3	
<u>Trace Metals, Total</u>						
Mercury	< 0.01	0.01	µg/L	17-Jul-19	EPA200.8	

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Taiga Batch No.:
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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **001-3**

Taiga Sample ID: **002**

Client Project: W2007L3-0001

Sample Type: Water

Received Date: 10-Jul-19

Sampling Date: 10-Jul-19

Sampling Time: 11:00

Location: Wekweeti

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Nutrients</u>						
Biochemical Oxygen Demand	230	2	mg/L	10-Jul-19	SM5210:B	
<u>Inorganics - Physicals</u>						
pH	7.51		pH units	11-Jul-19	SM4500-H:B	
Solids, Total Suspended	219	3	mg/L	16-Jul-19	SM2540:D	
<u>Microbiology</u>						
Coliforms, Fecal	160000	10000	CFU/100mL	10-Jul-19	SM9222:D	
<u>Organics</u>						
Hexane Extractable Material	13.2	2.0	mg/L	19-Jul-19	EPA1664A	
<u>Subcontracted Nutrients</u>						
Ammonia as Nitrogen	24.20	1.3	mg/L	14-Jul-19	SM4500 NH3	
<u>Trace Metals, Total</u>						
Mercury	< 0.01	0.01	µg/L	17-Jul-19	EPA200.8	

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Taiga Batch No.:
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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **001-4**

Taiga Sample ID: **003**

Client Project: W2007L3-0001

Sample Type: Wastewater

Received Date: 10-Jul-19

Sampling Date: 10-Jul-19

Sampling Time: 11:00

Location: Wekweeti

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Inorganics - Physicals</u>						
pH	7.84		pH units	11-Jul-19	SM4500-H:B	
Solids, Total Suspended	< 3	3	mg/L	16-Jul-19	SM2540:D	
<u>Trace Metals, Total</u>						
Aluminum	12.2	5	µg/L	17-Jul-19	EPA200.8	
Antimony	< 0.1	0.1	µg/L	17-Jul-19	EPA200.8	
Arsenic	0.5	0.2	µg/L	17-Jul-19	EPA200.8	
Barium	14.4	0.1	µg/L	17-Jul-19	EPA200.8	
Beryllium	< 0.1	0.1	µg/L	17-Jul-19	EPA200.8	
Cadmium	< 0.1	0.1	µg/L	17-Jul-19	EPA200.8	
Cesium	< 0.1	0.1	µg/L	17-Jul-19	EPA200.8	
Chromium	0.1	0.1	µg/L	17-Jul-19	EPA200.8	
Cobalt	< 0.1	0.1	µg/L	17-Jul-19	EPA200.8	
Copper	0.9	0.2	µg/L	17-Jul-19	EPA200.8	
Iron	63	5	µg/L	17-Jul-19	EPA200.8	
Lead	< 0.1	0.1	µg/L	17-Jul-19	EPA200.8	
Lithium	0.5	0.2	µg/L	17-Jul-19	EPA200.8	

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Taiga Sample ID: **003**

Manganese	9.0	0.1	µg/L	17-Jul-19	EPA200.8
Mercury	< 0.01	0.01	µg/L	17-Jul-19	EPA200.8
Molybdenum	0.2	0.1	µg/L	17-Jul-19	EPA200.8
Nickel	0.5	0.1	µg/L	17-Jul-19	EPA200.8
Rubidium	3.6	0.1	µg/L	17-Jul-19	EPA200.8
Selenium	< 0.5	0.5	µg/L	17-Jul-19	EPA200.8
Silver	< 0.1	0.1	µg/L	17-Jul-19	EPA200.8
Strontium	55.5	0.1	µg/L	17-Jul-19	EPA200.8
Thallium	< 0.1	0.1	µg/L	17-Jul-19	EPA200.8
Titanium	0.2	0.1	µg/L	17-Jul-19	EPA200.8
Uranium	0.3	0.1	µg/L	17-Jul-19	EPA200.8
Vanadium	0.2	0.1	µg/L	17-Jul-19	EPA200.8
Zinc	< 5.0	5	µg/L	17-Jul-19	EPA200.8

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*** 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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