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

Taiga Batch No.: 190755

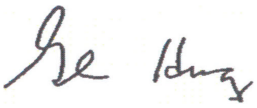
- FINAL REPORT -

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.

ReportDate: Tuesday, September 03, 2019
Print Date: *Tuesday, September 03, 2019*

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: 001-2 (Clear Samples) **Taiga Sample ID:** 001

Client Project: W2007L3-0001
Sample Type: Sewage Effluent
Received Date: 21-Aug-19
Sampling Date: 21-Aug-19
Sampling Time: 9:30
Location:
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Inorganics - Nutrients						
Ammonia as Nitrogen	< 0.005	0.005	mg/L	28-Aug-19	SM4500-NH3:G	
Biochemical Oxygen Demand	< 2	2	mg/L	22-Aug-19	SM5210:B	
Inorganics - Physicals						
pH	6.99		pH units	21-Aug-19	SM4500-H:B	
Solids, Total Suspended	< 3	3	mg/L	23-Aug-19	SM2540:D	
Microbiology						
Coliforms, Fecal	22	1	CFU/100mL	21-Aug-19	SM9222:D	
Organics						
Hexane Extractable Material	< 2.0	2.0	mg/L	22-Aug-19	EPA1664A	
Trace Metals, Total						
Mercury	< 0.01	0.01	µg/L	28-Aug-19	EPA200.8	

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: 001-3 Middle Lake **Taiga Sample ID:** 002

Client Project: W2007L3-0001
Sample Type: Wastewater
Received Date: 21-Aug-19
Sampling Date: 21-Aug-19
Sampling Time: 9:30
Location:
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Inorganics - Physicals						
pH	7.54		pH units	21-Aug-19	SM4500-H:B	
Solids, Total Suspended	< 3	3	mg/L	23-Aug-19	SM2540:D	
Trace Metals, Total						
Aluminum	9.2	5	µg/L	28-Aug-19	EPA200.8	
Antimony	< 0.1	0.1	µg/L	28-Aug-19	EPA200.8	
Arsenic	0.3	0.2	µg/L	28-Aug-19	EPA200.8	
Barium	14.2	0.1	µg/L	28-Aug-19	EPA200.8	
Beryllium	< 0.1	0.1	µg/L	28-Aug-19	EPA200.8	
Cadmium	< 0.1	0.1	µg/L	28-Aug-19	EPA200.8	
Cesium	< 0.1	0.1	µg/L	28-Aug-19	EPA200.8	
Chromium	0.1	0.1	µg/L	28-Aug-19	EPA200.8	
Cobalt	< 0.1	0.1	µg/L	28-Aug-19	EPA200.8	
Copper	0.7	0.2	µg/L	28-Aug-19	EPA200.8	
Iron	76	5	µg/L	28-Aug-19	EPA200.8	
Lead	< 0.1	0.1	µg/L	28-Aug-19	EPA200.8	
Lithium	0.5	0.2	µg/L	28-Aug-19	EPA200.8	

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: 001-3 Middle Lake **Taiga Sample ID:** 002

Manganese	10.2	0.1	µg/L	28-Aug-19	EPA200.8
Mercury	< 0.01	0.01	µg/L	28-Aug-19	EPA200.8
Molybdenum	0.2	0.1	µg/L	28-Aug-19	EPA200.8
Nickel	0.5	0.1	µg/L	28-Aug-19	EPA200.8
Rubidium	3.5	0.1	µg/L	28-Aug-19	EPA200.8
Selenium	< 0.5	0.5	µg/L	28-Aug-19	EPA200.8
Silver	< 0.1	0.1	µg/L	28-Aug-19	EPA200.8
Strontium	58.9	0.1	µg/L	28-Aug-19	EPA200.8
Thallium	< 0.1	0.1	µg/L	28-Aug-19	EPA200.8
Titanium	0.2	0.1	µg/L	28-Aug-19	EPA200.8
Uranium	0.3	0.1	µg/L	28-Aug-19	EPA200.8
Vanadium	0.1	0.1	µg/L	28-Aug-19	EPA200.8
Zinc	< 5.0	5	µg/L	28-Aug-19	EPA200.8

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: 001-4 (Green Sample) **Taiga Sample ID:** 003

Client Project: W2007L3-0001
Sample Type: Water
Received Date: 21-Aug-19
Sampling Date: 21-Aug-19
Sampling Time: 9:30
Location:
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Inorganics - Nutrients						
Ammonia as Nitrogen	24.2	0.005	mg/L	28-Aug-19	SM4500-NH3:G	
Biochemical Oxygen Demand	1230	2	mg/L	22-Aug-19	SM5210:B	
Inorganics - Physicals						
pH	7.43		pH units	21-Aug-19	SM4500-H:B	
Solids, Total Suspended	347	3	mg/L	23-Aug-19	SM2540:D	
Microbiology						
Coliforms, Fecal	1230000	10000	CFU/100mL	21-Aug-19	SM9222:D	
Organics						
Hexane Extractable Material	40.5	2.0	mg/L	22-Aug-19	EPA1664A	
Trace Metals, Total						
Mercury	< 0.01	0.01	µg/L	28-Aug-19	EPA200.8	

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: 001-4 (Green Sample) **Taiga Sample ID:** 003

*** 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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