



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

**Taiga Batch No.:**  
**181051**

**- AMENDED REPORT -**

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**Prepared For:** Community Government of Behchoko

**Address:** P.O. Box 68  
Behchoko, NT  
X0E 0Y0

**Attn:** Galvin Simpson

**Facsimile:** (867) 392-6967

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**Final report has been reviewed and approved by:**

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**Glen Hudy**  
Quality Assurance Officer

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**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, October 11, 2018

**Print Date:** *Friday, October 12, 2018*

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Taiga Batch No.:  
**181051**

### - CERTIFICATE OF ANALYSIS -

Client Sample ID: **SNP E2 Cell 1**

Taiga Sample ID: **001**

Client Project: W2014L3-0002

Sample Type: Sewage

Received Date: 26-Sep-18

Sampling Date: 26-Sep-18

Sampling Time: 9:45

Location: Edzo Lagoon

Report Status: **Amended**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<b><u>Inorganics - Nutrients</u></b>						
Ammonia as Nitrogen	13.1	0.1	mg/L	04-Oct-18	SM4500-NH3:G	
Biochemical Oxygen Demand	15	2	mg/L	26-Sep-18	SM5210:B	
CBOD	14	2	mg/L	26-Sep-18	SM5210:B	
Nitrogen, Total	17.5	0.06	mg/L	27-Sep-18	ISO/TR 11905:1997(E)	
Phosphorous, Total	0.274	0.002	mg/L	03-Oct-18	SM4500-P:D	
<b><u>Inorganics - Physicals</u></b>						
pH	7.89		pH units	26-Sep-18	SM4500-H:B	
Solids, Total Suspended	20	3	mg/L	27-Sep-18	SM2540:D	
<b><u>Major Ions</u></b>						
Nitrate+Nitrite as Nitrogen	0.58	0.01	mg/L	27-Sep-18	SM4110:B	
<b><u>Microbiology</u></b>						
Coliforms, Fecal	25100	100	CFU/100mL	26-Sep-18	SM9222:D	
<b><u>Organics</u></b>						
Hexane Extractable Material	< 2.0	2.0	mg/L	02-Oct-18	EPA1664A	
<b><u>Subcontracted Inorganics</u></b>						

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Client Sample ID: **SNP E2 Cell 1**

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Chemical Oxygen Demand	96	20	mg/L	03-Oct-18	APHA5220:D
<b><u>Trace Metals, Total</u></b>					
Aluminum	131	5	µg/L	10-Oct-18	EPA200.8
Antimony	0.1	0.1	µg/L	10-Oct-18	EPA200.8
Arsenic	0.8	0.2	µg/L	10-Oct-18	EPA200.8
Barium	19.2	0.1	µg/L	10-Oct-18	EPA200.8
Beryllium	< 0.1	0.1	µg/L	10-Oct-18	EPA200.8
Bismuth	< 0.2	0.2	µg/L	10-Oct-18	EPA200.8
Boron	135	0.9	µg/L	10-Oct-18	EPA200.8
Cadmium	< 0.1	0.1	µg/L	10-Oct-18	EPA200.8
Cesium	< 0.1	0.1	µg/L	10-Oct-18	EPA200.8
Chromium	0.1	0.1	µg/L	10-Oct-18	EPA200.8
Cobalt	0.2	0.1	µg/L	10-Oct-18	EPA200.8
Copper	7.1	0.2	µg/L	10-Oct-18	EPA200.8
Iron	135	5	µg/L	10-Oct-18	EPA200.8
Lead	< 0.1	0.1	µg/L	10-Oct-18	EPA200.8
Lithium	7.9	0.2	µg/L	10-Oct-18	EPA200.8
Manganese	71.8	0.1	µg/L	10-Oct-18	EPA200.8
Mercury	< 0.01	0.01	µg/L	10-Oct-18	EPA200.8
Molybdenum	0.9	0.1	µg/L	10-Oct-18	EPA200.8
Nickel	1.1	0.1	µg/L	10-Oct-18	EPA200.8
Rubidium	7.2	0.1	µg/L	10-Oct-18	EPA200.8
Selenium	< 0.5	0.5	µg/L	10-Oct-18	EPA200.8
Silver	< 0.1	0.1	µg/L	10-Oct-18	EPA200.8
Strontium	429	0.1	µg/L	10-Oct-18	EPA200.8

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Client Sample ID: **SNP E2 Cell 1**

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Thallium	< 0.1	0.1	µg/L	10-Oct-18	EPA200.8
Tin	0.1	0.1	µg/L	10-Oct-18	EPA200.8
Titanium	1.9	0.1	µg/L	10-Oct-18	EPA200.8
Uranium	0.2	0.1	µg/L	10-Oct-18	EPA200.8
Vanadium	0.1	0.1	µg/L	10-Oct-18	EPA200.8
Zinc	5.9	5	µg/L	10-Oct-18	EPA200.8

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Taiga Batch No.:  
**181051**

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **SNP E2 Cell 2**

Taiga Sample ID: **002**

Client Project: W2014L3-0002

Sample Type: Sewage

Received Date: 26-Sep-18

Sampling Date: 26-Sep-18

Sampling Time: 9:45

Location: Edzo Lagoon

Report Status: **Amended**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<b><u>Inorganics - Nutrients</u></b>						
Ammonia as Nitrogen	21.9	0.005	mg/L	01-Oct-18	SM4500-NH3:G	
Biochemical Oxygen Demand	87	2	mg/L	26-Sep-18	SM5210:B	
CBOD	85	2	mg/L	26-Sep-18	SM5210:B	
Nitrogen, Total	25.7	0.06	mg/L	27-Sep-18	ISO/TR 11905:1997(E)	
Phosphorous, Total	1.65	0.002	mg/L	03-Oct-18	SM4500-P:D	
<b><u>Inorganics - Physicals</u></b>						
pH	7.44		pH units	26-Sep-18	SM4500-H:B	
Solids, Total Suspended	72	3	mg/L	27-Sep-18	SM2540:D	
<b><u>Major Ions</u></b>						
Nitrate+Nitrite as Nitrogen	0.39	0.01	mg/L	27-Sep-18	SM4110:B	
<b><u>Microbiology</u></b>						
Coliforms, Fecal	1020000	10000	CFU/100mL	26-Sep-18	SM9222:D	
<b><u>Organics</u></b>						
Hexane Extractable Material	7.4	2.0	mg/L	02-Oct-18	EPA1664A	
<b><u>Subcontracted Inorganics</u></b>						
Chemical Oxygen Demand	177	20	mg/L	03-Oct-18	APHA5220:D	

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**Trace Metals, Total**

Aluminum	4810	5	µg/L	10-Oct-18	EPA200.8
Antimony	0.3	0.1	µg/L	10-Oct-18	EPA200.8
Arsenic	1.5	0.2	µg/L	10-Oct-18	EPA200.8
Barium	52.8	0.1	µg/L	10-Oct-18	EPA200.8
Beryllium	< 0.1	0.1	µg/L	10-Oct-18	EPA200.8
Bismuth	1.5	0.2	µg/L	10-Oct-18	EPA200.8
Boron	118	0.9	µg/L	10-Oct-18	EPA200.8
Cadmium	< 0.1	0.1	µg/L	10-Oct-18	EPA200.8
Cesium	0.1	0.1	µg/L	10-Oct-18	EPA200.8
Chromium	2.5	0.1	µg/L	10-Oct-18	EPA200.8
Cobalt	0.7	0.1	µg/L	10-Oct-18	EPA200.8
Copper	54.0	0.2	µg/L	10-Oct-18	EPA200.8
Iron	1650	5	µg/L	10-Oct-18	EPA200.8
Lead	1.8	0.1	µg/L	10-Oct-18	EPA200.8
Lithium	12.4	0.2	µg/L	10-Oct-18	EPA200.8
Manganese	138	0.1	µg/L	10-Oct-18	EPA200.8
Mercury	0.06	0.01	µg/L	10-Oct-18	EPA200.8
Molybdenum	0.9	0.1	µg/L	10-Oct-18	EPA200.8
Nickel	2.6	0.1	µg/L	10-Oct-18	EPA200.8
Rubidium	9.3	0.1	µg/L	10-Oct-18	EPA200.8
Selenium	< 0.5	0.5	µg/L	10-Oct-18	EPA200.8
Silver	< 0.1	0.1	µg/L	10-Oct-18	EPA200.8
Strontium	661	0.1	µg/L	10-Oct-18	EPA200.8
Thallium	< 0.1	0.1	µg/L	10-Oct-18	EPA200.8

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Tin	0.7	0.1	µg/L	10-Oct-18	EPA200.8
Titanium	68.7	0.1	µg/L	10-Oct-18	EPA200.8
Uranium	0.5	0.1	µg/L	10-Oct-18	EPA200.8
Vanadium	2.3	0.1	µg/L	10-Oct-18	EPA200.8
Zinc	46.6	5	µg/L	10-Oct-18	EPA200.8

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Taiga Sample ID: **002**

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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

**Comments**     *Analysis date for ammonia was corrected.*

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