



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

**Taiga Batch No.:**  
**190827**

**- FINAL 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:**

A handwritten signature in black ink, appearing to read "Glen Hudy". The signature is written in a cursive style.

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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:** Monday, September 23, 2019

**Print Date:** *Monday, September 23, 2019*

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## Taiga Environmental Laboratory

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Taiga Batch No.:  
**190827**

### - CERTIFICATE OF ANALYSIS -

Client Sample ID: **SNP-R3**

Taiga Sample ID: **001**

Client Project: W2014L3-0002

Sample Type: Sewage

Received Date: 04-Sep-19

Sampling Date: 04-Sep-19

Sampling Time: 10:30

Location: Rae Lagoon and Edzo Lagoon

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<b><u>Inorganics - Nutrients</u></b>						
Ammonia as Nitrogen	2.20	0.005	mg/L	11-Sep-19	SM4500-NH3:G	
Biochemical Oxygen Demand	7	2	mg/L	04-Sep-19	SM5210:B	
CBOD	3	2	mg/L	04-Sep-19	SM5210:B	
Chemical Oxygen Demand	86	5	mg/L	10-Sep-19	SM5220:D	
Phosphorous, Total	1.50	0.002	mg/L	06-Sep-19	SM4500-P:D	
<b><u>Inorganics - Physicals</u></b>						
pH	7.11		pH units	04-Sep-19	SM4500-H:B	
Solids, Total Suspended	34	3	mg/L	09-Sep-19	SM2540:D	
<b><u>Microbiology</u></b>						
Coliforms, Fecal	8	1	CFU/100mL	04-Sep-19	SM9222:D	

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Taiga Batch No.:  
**190827**

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **SNP-R4**

Taiga Sample ID: **002**

Client Project: W2014L3-0002

Sample Type: Sewage

Received Date: 04-Sep-19

Sampling Date: 04-Sep-19

Sampling Time: 10:30

Location: Rae Lagoon and Edzo Lagoon

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<b><u>Inorganics - Nutrients</u></b>						
Ammonia as Nitrogen	< 0.005	0.005	mg/L	11-Sep-19	SM4500-NH3:G	
Biochemical Oxygen Demand	3	2	mg/L	04-Sep-19	SM5210:B	
CBOD	3	2	mg/L	04-Sep-19	SM5210:B	
Chemical Oxygen Demand	90	5	mg/L	10-Sep-19	SM5220:D	
Phosphorous, Total	0.017	0.002	mg/L	06-Sep-19	SM4500-P:D	
<b><u>Inorganics - Physicals</u></b>						
pH	6.97		pH units	04-Sep-19	SM4500-H:B	
Solids, Total Suspended	6	3	mg/L	09-Sep-19	SM2540:D	
<b><u>Microbiology</u></b>						
Coliforms, Fecal	1	1	CFU/100mL	04-Sep-19	SM9222:D	

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Taiga Batch No.:  
**190827**

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **SNP-E2**

Taiga Sample ID: **003**

Client Project: W2014L3-0002

Sample Type: Sewage

Received Date: 04-Sep-19

Sampling Date: 04-Sep-19

Sampling Time: 10:30

Location: Rae Lagoon and Edzo Lagoon

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<b><u>Inorganics - Nutrients</u></b>						
Ammonia as Nitrogen	15.8	0.005	mg/L	11-Sep-19	SM4500-NH3:G	
Biochemical Oxygen Demand	47	2	mg/L	04-Sep-19	SM5210:B	
CBOD	46	2	mg/L	04-Sep-19	SM5210:B	
Chemical Oxygen Demand	123	5	mg/L	10-Sep-19	SM5220:D	
Phosphorous, Total	1.11	0.002	mg/L	06-Sep-19	SM4500-P:D	
<b><u>Inorganics - Physicals</u></b>						
pH	7.34		pH units	04-Sep-19	SM4500-H:B	
Solids, Total Suspended	31	3	mg/L	09-Sep-19	SM2540:D	
<b><u>Microbiology</u></b>						
Coliforms, Fecal	TNTC	1	CFU/100mL	04-Sep-19	SM9222:D	<b>86</b>

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Taiga Batch No.:  
**190827**

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **SNP-E3**

Taiga Sample ID: **004**

Client Project: W2014L3-0002

Sample Type: Sewage

Received Date: 04-Sep-19

Sampling Date: 04-Sep-19

Sampling Time: 10:30

Location: Rae Lagoon and Edzo Lagoon

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<b><u>Inorganics - Nutrients</u></b>						
Ammonia as Nitrogen	13.1	0.005	mg/L	11-Sep-19	SM4500-NH3:G	
Biochemical Oxygen Demand	56	2	mg/L	04-Sep-19	SM5210:B	
Nitrogen, Total	19.5	0.06	mg/L	06-Sep-19	ISO/TR 11905:1997(E)	
Phosphorous, Total	1.15	0.002	mg/L	06-Sep-19	SM4500-P:D	
<b><u>Inorganics - Physicals</u></b>						
pH	7.40		pH units	04-Sep-19	SM4500-H:B	
Solids, Total Suspended	54	3	mg/L	09-Sep-19	SM2540:D	
<b><u>Major Ions</u></b>						
Nitrate+Nitrite as Nitrogen	0.38	0.01	mg/L	04-Sep-19	SM4110:B	
<b><u>Microbiology</u></b>						
Coliforms, Fecal	40000	10000	CFU/100mL	04-Sep-19	SM9222:D	

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Taiga Batch No.:

190827

## - CERTIFICATE OF ANALYSIS -

Client Sample ID: **SNP E4**

Taiga Sample ID: **005**

Client Project: W2014L3-0002

Sample Type: Sewage

Received Date: 04-Sep-19

Sampling Date: 04-Sep-19

Sampling Time: 10:30

Location: Rae Lagoon and Edzo Lagoon

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<b><u>Inorganics - Nutrients</u></b>						
Ammonia as Nitrogen	< 0.005	0.005	mg/L	11-Sep-19	SM4500-NH3:G	
Biochemical Oxygen Demand	5	2	mg/L	04-Sep-19	SM5210:B	
Nitrogen, Total	1.14	0.06	mg/L	06-Sep-19	ISO/TR 11905:1997(E)	
Phosphorous, Total	0.142	0.002	mg/L	06-Sep-19	SM4500-P:D	
<b><u>Inorganics - Physicals</u></b>						
pH	7.09		pH units	04-Sep-19	SM4500-H:B	
Solids, Total Suspended	20	3	mg/L	09-Sep-19	SM2540:D	
<b><u>Major Ions</u></b>						
Nitrate+Nitrite as Nitrogen	0.27	0.01	mg/L	04-Sep-19	SM4110:B	
<b><u>Microbiology</u></b>						
Coliforms, Fecal	6	1	CFU/100mL	04-Sep-19	SM9222:D	

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**- CERTIFICATE OF ANALYSIS -**

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Client Sample ID: **SNP E4**

Taiga Sample ID: **005**

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**- DATA QUALIFIERS -**

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*Data Qualifier Descriptions:*

**86**      *Too numerous to count. Unable to repeat analysis at higher dilution. Holding time exceeded.*

**\* 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