INUVIALUIT SIVUNNIUQPAIT IMAKKUN

INUVIALUIT WATER BOARD

Hamlet of Aklavik

Water Licence Number: N3L3-0570

Municipal Water Licence

Annual Report for the Year 2022

Date Prepared: February 14, 2023

Municipal Water Licence Annual Report

Hamlet of Aklavik
Licence # N3L3-0570
Reporting year 2022

1. Water Usage

Table 1: Monthly and annual quantities of fresh water obtained from all sources

Month	Volume from Source (m^3 or L)	Volume from any other Source (m^3 or L)
January	2,731,715.10 L	
February	2,513,237.20 L	
March	2,738,397.90 L	
April	2,713,417.90 L	
May	2,965,551.20 L	
June	2,621,018.50 L	
July	2,534,672.40 L	
August	2,429,201.30 L	
September	2,687,156.30 L	
October	2,692,604.40 L	
November	2,711,906.50 L	
December	2,829,974.50 L	
TOTALS	32,168,853.20 L	
ANNUAL TOTAL (m^3 or L)		
% Increase or decrease from previous year	3.6707 % decrease from previous year.	

Reasons for increase / decrease (if applicable):

Reasons for exceeding licensed withdrawal volumes (if applicable):

General information:

2. Sewage Disposal

Table 2: Monthly and annual quantities of sewage discharged to the sewage disposal facilities

Month	Volume of sewage discharged (m^3 or L)
January	2,731,715.10 L
February	2,513,237.20 L
March	2,738,397.90 L
April	2,713,417.90 L
May	2,965,551.20 L
June	2,821,018.50 L
July	2,534,672.40 L
August	2,429,201.30 L
September	2,687,156.30 L
October	2,692,604.40 L
November	2,711,906.50 L
December	2,829,974.50 L
ANNUAL TOTAL (m^3 or L)	32,168,853.20 L
% Increase or decrease from previous year	3.6707 % decrease from previous year.

3. Hazardous Waste Storage and Transportation

On Table 3, list the types of hazardous waste accepted into the facility including volumes.

Table 3: Monthly and annual quantities of hazardous waste stored on site and transported off site

Month	Type of hazardous waste accepted (Volume in m^3 or L)	Type of hazardous waste transported off site (Volume in m^3 or L)
January	None	None
February	None	None
March	None	None
April	None	None
May	None	None
June	None	None
July	None	None
August	None	None
September	None	None
October	None	None
November	None	None
December	None	None
ANNUAL TOTAL (m^3 or L)	None	None
% Increase or decrease from previous year	Not applicable.	Not applicable.

If hazardous waste has been transported off site this year, please describe how it was transported and the final destination:

Please include treatment or disposal plans for the remaining quantities:

Please describe any changes or improvements to temporary hazardous waste storage areas:

4. Sewage Sludge Removal

Table 4: Monthly and annual quantities of sewage sludge removed from the sewage disposal facilities and disposal location

Month	Volume of sewage sludge removed (m^3 or L)	Disposal location
January	None	
February	None	
March	None	
April	None	
May	None	
June	None	
July	None	
August	None	
September	None	
October	None	
November	None	
December	None	
ANNUAL TOTAL (m^3 or L)	None	
% Increase or decrease from previous year	Not applicable.	

5. Problems, Modifications or Repairs Completed During the Year on Water Supply and Waste Disposal Facilities

Include any changes to infrastructure of all facilities completed during the year, including any changes, repairs and modifications. Please note any problems that occurred during the year. If there are no changes, make note of that also.

There are no changes, repairs, or modifications during the year.

6. SNP Data

A condition of the Water Licence is the Surveillance Network Program (SNP). The SNP outlines the sampling requirements and frequency at monitoring stations. *In table 5, insert the sites sampled during the reporting year and the sampling period (sampling date). Attach the complete Taiga Laboratory results, with your "Municipal Water Licence Annual Report" to the Inuvialuit Water Board.*

Table 5: Sampling station and sampling period

Sampling station	After break-up	Prior to freeze-up

7. Spills and Unauthorized Discharges

List any spills and unauthorized discharges, how and when they were reported, and clean up methods.

None.

8. Spill Response Training and/or other Operator Training

Please provide a description of any Spill Response Training and/or other operator training carried out during the year.

None.

9. Closure and Reclamation

Include a description of any closure, remediation and/or reclamation activities completed during the year and an outline of any work anticipated for next year.

None.

10. Studies Requested by the Board that Relate to Water Use, Waste Disposal or Closure and Reclamation

If the Board has requested that specific studies be completed or have asked for specific information be included in the annual report, include these details in this section. Include a summary report of the study completed and the results. Include as attachments with the submission of the Annual Report. Include details of any upcoming studies that will be completed by the Hamlet.

None.

11. Updates or Revisions to Approved Plans

Include details on any changes to approved plans such as the Solid and Sewage Waste Disposal Facilities Operating and Maintenance Plan (O&M Plan) or any other plans specific to your Water Licence.

- *Spill Contingency Plan*
- *Solid Waste Disposal Facilities Operation and Maintenance Plan*
- *Sewage Disposal Facilities Operation and Maintenance Plan*
- *Hazardous Waste Management Plan*
- *Closure and Reclamation Plan*

None.

12. Inspection of Dams, Berms, Dykes and Control Structures

Include results of any inspections of all dams, berms, dykes and control structures related to the water intake facilities, solid waste disposal facilities, sewage disposal facilities and/or any other specific to your water licence.

None.

13. Inspections on all Water and Waste Disposal Facilities

Include results of regular staff inspections on all water and waste disposal facilities authorized under this licence and any corrective actions taken, as necessary.

None.

14. Correspondence between the Inspector and the Licensee

Include all correspondence between the Inspector and the Licensee with your annual report.

None.

15. Other Information

Include any other details on waste disposal requested by the Board by November 1, of the year being reported. In this section you may include non-compliance items identified in the inspection reports and how the Hamlet is addressing them. If there are any contaminated soil piles currently in use, please list the details of containment, remediation, and progress in this section. Ongoing issues with compliance can be identified here. If the IWB is aware of ongoing problems with the licence, discussions can occur to find a resolution.

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

Taiga Batch No.: 221112

- FINAL REPORT -

Prepared For: Hamlet of Aklavik

Address: P.O. Box 87
Aklavik,NT
X0E 0A0

Attn: **Brandon McLeod** **Facsimile:** **(867) 978-2502**

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: June-30-22
Print Date: *June-30-22*

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

Taiga Batch No.: 221112

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: 001

Client Project:
Sample Type: Sewage
Received Date: 15-Jun-22
Sampling Date: 13-Jun-22
Sampling Time: 2:00
Location: Sewage Lagoon
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Inorganics - Nutrients						
Biochemical Oxygen Demand	6	2	mg/L	15-Jun-22	TEL019	
Inorganics - Physicals						
pH	7.49		pH units	15-Jun-22	TEL058	
Solids, Total Suspended	16	3	mg/L	22-Jun-22	TEL008	
Microbiology						
Coliforms, Fecal	38	1	CFU/100mL	15-Jun-22	TEL017	208
Organics						
Hexane Extractable Material	< 2.0	2	mg/L	16-Jun-22	TEL072	

ReportDate: June-30-22
Print Date: *June-30-22*

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

Taiga Batch No.: 221112

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: 001

- DATA QUALIFERS -

Data Qualifier Descriptions:

208 *Unreliable: Matrix interference*

*** 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

ReportDate: June-30-22

Print Date: *June-30-22*

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

Taiga Batch No.:
221454

- FINAL REPORT -

Prepared For: Hamlet of Aklavik

Address: P.O. Box 87
Aklavik,NT
X0E 0A0

Attn: Brandon McLeod **Facsimile:** (867) 978-2502

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: August-08-22
Print Date: *August-09-22*

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

Taiga Batch No.: 221454

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: 001

Client Project:
Sample Type: Sewage
Received Date: 22-Jul-22
Sampling Date: 20-Jul-22
Sampling Time: 2:30
Location: Sewage Lagoon Aklavik NT
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Inorganics - Nutrients						
Biochemical Oxygen Demand	< 2	2	mg/L	22-Jul-22	TEL019	
Inorganics - Physicals						
pH	7.60		pH units	22-Jul-22	TEL058	
Solids, Total Suspended	12	3	mg/L	25-Jul-22	TEL008	
Microbiology						
Coliforms, Fecal		1	CFU/100mL		TEL017	105
Organics						
F2: C10-C16	< 0.2	0.2	mg/L	04-Aug-22	TEL067	
F3: C16-C34	< 0.2	0.2	mg/L	04-Aug-22	TEL067	
F4: C34-C50	< 0.2	0.2	mg/L	04-Aug-22	TEL067	
Hydrocarbons, Total Extractable	< 0.2	0.2	mg/L	04-Aug-22	TEL067	
Oil and Grease, visible	Non-visible			22-Jul-22	Visual Exam	

ReportDate: August-08-22
Print Date: *August-09-22*

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

Taiga Batch No.: 221454

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: 001

- DATA QUALIFERS -

Data Qualifier Descriptions:

105 *Samples received past hold time; analysis not possible.*

*** 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

ReportDate: August-08-22

Print Date: *August-09-22*

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

Taiga Batch No.:
221521

- FINAL REPORT -

Prepared For: Hamlet of Aklavik

Address: P.O. Box 87
Aklavik,NT
X0E 0A0

Attn: **Brandon McLeod** **Facsimile:** **(867) 978-2502**

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.

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

Taiga Batch No.: 221521

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: 001

Client Project: Annual Drinking Water (2013)
Sample Type: Potable
Received Date: 28-Jul-22
Sampling Date: 25-Jul-22
Sampling Time: 8:45
Location: Water Plant
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Inorganics - Nutrients						
Organic Carbon, Dissolved	2.9	0.5	mg/L	03-Aug-22	TEL033	
Organic Carbon, Total	3.1	0.5	mg/L	04-Aug-22	TEL033	
Inorganics - Physicals						
Alkalinity, Total (as CaCO3)	100	0.4	mg/L	28-Jul-22	TEL060	
Colour, Apparent	< 5	5	CU	26-Jul-22	TEL051	
pH	8.36		pH units	28-Jul-22	TEL058	
Solids, Total Dissolved	334	10	mg/L	02-Aug-22	TEL009	
Solids, Total Suspended	< 3	3	mg/L	02-Aug-22	TEL008	
Turbidity	1.30	0.05	NTU	28-Jul-22	TEL006	
Major Ions						
Chloride	4.9	0.7	mg/L	29-Jul-22	TEL055	
Fluoride	< 0.1	0.1	mg/L	29-Jul-22	TEL055	
Hardness	175	0.7	mg/L	03-Aug-22	TEL055	
Nitrate as Nitrogen	< 0.01	0.01	mg/L	29-Jul-22	TEL055	

ReportDate: August-11-22
Print Date: *August-11-22*

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

Taiga Batch No.: 221521

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **Taiga Sample ID: 001**

Sodium	42.9	0.1	mg/L	03-Aug-22	TEL055
Sulphate	182	1	mg/L	29-Jul-22	TEL055
Subcontracted Organics					
Cyanide, Weak Acid Dissociable	< 0.0050	0.005	mg/L	06-Aug-22	APHA4500-CN
Trace Metals, Total					
Aluminum	1160	0.6	µg/L	04-Aug-22	TEL035
Arsenic	< 0.2	0.2	µg/L	04-Aug-22	TEL035
Barium	55.8	0.1	µg/L	04-Aug-22	TEL035
Cadmium	< 0.04	0.04	µg/L	04-Aug-22	TEL035
Chromium	0.2	0.1	µg/L	04-Aug-22	TEL035
Copper	0.6	0.2	µg/L	04-Aug-22	TEL035
Iron	< 5	5	ug/L	04-Aug-22	TEL035
Lead	< 0.1	0.1	µg/L	04-Aug-22	TEL035
Manganese	2.3	0.1	µg/L	04-Aug-22	TEL035
Mercury	< 0.01	0.01	µg/L	04-Aug-22	TEL035
Selenium	0.5	0.3	µg/L	04-Aug-22	TEL035
Uranium	0.5	0.1	µg/L	04-Aug-22	TEL035
Zinc	< 0.4	0.4	µg/L	04-Aug-22	TEL035

ReportDate: August-11-22
Print Date: *August-11-22*

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

Taiga Batch No.: 221521

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **Taiga Sample ID:** 002

Client Project: Annual Drinking Water (2013)
Sample Type: Freshwater
Received Date: 28-Jul-22
Sampling Date: 25-Jul-22
Sampling Time: 8:45
Location: Water Plant
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Inorganics - Nutrients						
Organic Carbon, Dissolved	6.4	0.5	mg/L	03-Aug-22	TEL033	
Organic Carbon, Total	6.7	0.5	mg/L	04-Aug-22	TEL033	
Inorganics - Physicals						
Alkalinity, Total (as CaCO3)	79.0	0.4	mg/L	28-Jul-22	TEL060	
Colour, Apparent	990	5	CU	26-Jul-22	TEL051	
pH	8.07		pH units	28-Jul-22	TEL058	
Solids, Total Dissolved	307	10	mg/L	02-Aug-22	TEL009	
Solids, Total Suspended	300	3	mg/L	02-Aug-22	TEL008	
Turbidity	374	0.05	NTU	28-Jul-22	TEL006	
Major Ions						
Chloride	1.2	0.7	mg/L	29-Jul-22	TEL055	
Fluoride	< 0.1	0.1	mg/L	29-Jul-22	TEL055	
Hardness	176	0.7	mg/L	03-Aug-22	TEL055	
Nitrate as Nitrogen	< 0.01	0.01	mg/L	29-Jul-22	TEL055	
Sodium	6.0	0.1	mg/L	03-Aug-22	TEL055	
Sulphate	100	1	mg/L	29-Jul-22	TEL055	

ReportDate: August-11-22
Print Date: *August-11-22*

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

Taiga Batch No.: 221521

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **Taiga Sample ID: 002**

Subcontracted Organics					
Cyanide, Weak Acid Dissociable	< 0.0050	0.005	mg/L	06-Aug-22	APHA4500-CN
Trace Metals, Total					
Aluminum	5180	0.6	µg/L	04-Aug-22	TEL035
Arsenic	5.8	0.2	µg/L	04-Aug-22	TEL035
Barium	330	0.1	µg/L	04-Aug-22	TEL035
Cadmium	0.4	0.04	µg/L	04-Aug-22	TEL035
Chromium	9.9	0.1	µg/L	04-Aug-22	TEL035
Copper	15.2	0.2	µg/L	04-Aug-22	TEL035
Iron	13600	5	µg/L	04-Aug-22	TEL035
Lead	6.6	0.1	µg/L	04-Aug-22	TEL035
Manganese	189	0.1	µg/L	04-Aug-22	TEL035
Mercury	0.03	0.01	µg/L	04-Aug-22	TEL035
Selenium	1.1	0.3	µg/L	04-Aug-22	TEL035
Uranium	1.6	0.1	µg/L	04-Aug-22	TEL035
Zinc	77.1	0.4	µg/L	04-Aug-22	TEL035

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

Taiga Batch No.: 221521

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

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

ReportDate: August-11-22

Print Date: *August-11-22*

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

Taiga Batch No.:
221880

- FINAL REPORT -

Prepared For: Hamlet of Aklavik

Address: P.O. Box 87
Aklavik,NT
X0E 0A0

Attn: Brandon McLeod **Facsimile:** (867) 978-2502

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.

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

Taiga Batch No.: 221880

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 1 **Taiga Sample ID:** 001

Client Project:
Sample Type: Potable
Received Date: 12-Sep-22
Sampling Date: 08-Sep-22
Sampling Time: 10:00
Location: Water Treatment Plant
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Subcontracted Organics						
Bromodichloromethane	0.0017	0.001	mg/L	23-Sep-22	SW-846	
Bromoform	< 0.0050	0.005	mg/L	23-Sep-22	SW-846	
Chloroform	0.0726	0.001	mg/L	23-Sep-22	SW-846	
Dibromochloromethane	< 0.0010	0.001	mg/L	23-Sep-22	SW-846	
Trihalomethanes, Total	0.0743	0.005	mg/L	23-Sep-22	SW-846	

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

Taiga Batch No.: 221880

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 2 **Taiga Sample ID:** 002

Client Project:
Sample Type: Potable
Received Date: 12-Sep-22
Sampling Date: 08-Sep-22
Sampling Time: 10:00
Location: Water Treatment Plant
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Subcontracted Organics						
Bromodichloromethane	0.0013	0.001	mg/L	23-Sep-22	SW-846	
Bromoform	< 0.0050	0.005	mg/L	23-Sep-22	SW-846	
Chloroform	0.0557	0.001	mg/L	23-Sep-22	SW-846	
Dibromochloromethane	< 0.0010	0.001	mg/L	23-Sep-22	SW-846	
Trihalomethanes, Total	0.0570	0.005	mg/L	23-Sep-22	SW-846	

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

Taiga Batch No.: 221880

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 2 **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

ReportDate: September-27-22

Print Date: *September-27-22*

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

Taiga Batch No.:
222138

- FINAL REPORT -

Prepared For: Hamlet of Aklavik

Address: P.O. Box 87
Aklavik,NT
X0E 0A0

Attn: Tom Ng **Facsimile:** (867) 978-2502

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: October-27-22
Print Date: *October-28-22*

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

Taiga Batch No.: 222138

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: 001

Client Project:
Sample Type: Sewage
Received Date: 13-Oct-22
Sampling Date: 11-Oct-22
Sampling Time: 20:15
Location:
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Inorganics - Nutrients						
Biochemical Oxygen Demand	3	2	mg/L	13-Oct-22	TEL019	
Inorganics - Physicals						
pH	8.01		pH units	13-Oct-22	TEL058	
Solids, Total Suspended	6	3	mg/L	14-Oct-22	TEL008	
Microbiology						
Coliforms, Fecal	13	1	CFU/100mL	13-Oct-22	TEL017	
Organics						
F2: C10-C16	< 0.2	0.2	mg/L	21-Oct-22	TEL067	
F3: C16-C34	< 0.2	0.2	mg/L	21-Oct-22	TEL067	
F4: C34-C50	< 0.2	0.2	mg/L	21-Oct-22	TEL067	
Hydrocarbons, Total Extractable	< 0.2	0.2	mg/L	21-Oct-22	TEL067	
Oil and Grease, visible	Non-visible			13-Oct-22	Visual Exam	

ReportDate: October-27-22
Print Date: *October-28-22*

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

Taiga Batch No.: 222138

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: 002

Client Project:
Sample Type: Potable THM
Received Date: 13-Oct-22
Sampling Date: 11-Oct-22
Sampling Time: 20:15
Location:
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Organics						
Bromodichloromethane	< 1.0	1	ug/L	26-Oct-22	TEL074	110
Bromoform	< 1.0	1	ug/L	26-Oct-22	TEL074	110
Chloroform	41.3	1	ug/L	26-Oct-22	TEL074	110
Dibromochloromethane	< 1.0	1	ug/L	26-Oct-22	TEL074	110
Trihalomethanes, Total	42.1	1	ug/L	26-Oct-22	TEL074	110

ReportDate: October-27-22
Print Date: *October-28-22*

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

Taiga Batch No.: 222138

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: 002

- DATA QUALIFERS -

Data Qualifier Descriptions:

110 *Reported result uncertain, due to air in vial.*

*** 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

ReportDate: October-27-22
Print Date: *October-28-22*

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

Taiga Batch No.:
222494

- FINAL REPORT -

Prepared For: Hamlet of Aklavik

Address: P.O. Box 87
Aklavik,NT
X0E 0A0

Attn: Tom Ng **Facsimile:** (867) 978-2502

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: December-22-22
Print Date: *December-22-22*

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

Taiga Batch No.: 222494

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: 001

Client Project:
Sample Type: Potable
Received Date: 20-Dec-22
Sampling Date: 14-Dec-22
Sampling Time: 11:53
Location: Aklavik Water Plant
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Organics						
Bromodichloromethane	< 1.0	1	ug/L	21-Dec-22	TEL074	110
Bromoform	< 1.0	1	ug/L	21-Dec-22	TEL074	110
Chloroform	9.3	1	ug/L	21-Dec-22	TEL074	110
Dibromochloromethane	< 1.0	1	ug/L	21-Dec-22	TEL074	110
Trihalomethanes, Total	9.9	1	ug/L	21-Dec-22	TEL074	110

ReportDate: December-22-22
Print Date: *December-22-22*

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

Taiga Batch No.: 222494

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: 001

- DATA QUALIFERS -

Data Qualifier Descriptions:

110 *Reported result uncertain, due to air in vial.*

*** 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

ReportDate: December-22-22

Print Date: *December-22-22*