



**Hamlet of** Aklavik  
**Water Licence Number:** N3L3-0570

**Municipal Water Licence**

**Annual Report for the Year** 2025

**Date Prepared:** February 23, 2026

### Municipal Water Licence Annual Report

Hamlet of Aklavik  
Licence # N3L3-0570  
Reporting year 2025

#### 1. Water Usage

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

Month	Volume from Source (m <sup>3</sup> or L)	Volume from any other Source (m <sup>3</sup> or L)
January	2,203,112 L	
February	2,101,375 L	
March	2,237,967 L	
April	2,303,799 L	
May	2,412,600 L	
June	2,345,716 L	
July	2,097,971 L	
August	2,088,634 L	
September	2,502,076 L	
October	2,711,704 L	
November	2,509,914 L	
December	2,616,826 L	
<b>TOTALS</b>	28,131,964 L	
<b>ANNUAL TOTAL (m<sup>3</sup> or L)</b>		28,131,964 L
<b>% Increase or decrease from previous year</b>		1.04 % 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 <sup>3</sup> or L)
January	2,203,112 L
February	2,101,375 L
March	2,237,967 L
April	2,303,799 L
May	2,412,600 L
June	2,345,716 L
July	2,097,971 L
August	2,088,634 L
September	2,502,076 L
October	2,711,704 L
November	2,509,914 L
December	2,616,826 L
<b>ANNUAL TOTAL (m<sup>3</sup> or L)</b>	28,131,964 L
<b>% Increase or decrease from previous year</b>	1.04 % 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 <sup>3</sup> or L)	Type of hazardous waste transported off site (Volume in m <sup>3</sup> 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
<b>ANNUAL TOTAL (m<sup>3</sup> or L)</b>	None	None
<b>% Increase or decrease from previous year</b>	Not Applicable	Not Applicable

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

[Redacted area]

Please include treatment or disposal plans for the remaining quantities:

[Redacted area]

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

[Redacted area]

**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 <sup>3</sup> 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	
<b>ANNUAL TOTAL (m<sup>3</sup> or L)</b>	None	
<b>% Increase or decrease from previous year</b>	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.*

The GNWT visited the community in July 2025 and September 2025 and drained all the old vehicles fluids out of them and they are now ready for shipment out of the community Solid Waste Sight.



## Taiga Environmental Laboratory

4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9

Tel: (867)-767-9235 Fax: (867)-920-8740

Taiga Batch No.:

250928

### - FINAL REPORT -

Prepared For: Hamlet of Aklavik

Address: P.O. Box 87

Aklavik, NT

X0E 0A0

Attn: SAO

Facsimile: (867) 978-2502

Final report has been reviewed and approved by:

Bradley Koswan  
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.
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Taiga Batch No.:  
250928

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **0570-3**

Taiga Sample ID: 001

**Client Project:**

Sample Type: Sewage

Received Date: 10-Jul-25

Sampling Date: 08-Jul-25

Sampling Time: 8:00

Location: Aklavik Sewage Lagoon

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<b><u>Inorganics - Nutrients</u></b>						
Biochemical Oxygen Demand		2	mg/L	10-Jul-25	TEL019	105
<b><u>Inorganics - Physicals</u></b>						
pH	6.83		pH units	10-Jul-25	TEL058	
Solids, Total Suspended	10	3	mg/L	15-Jul-25	TEL008	
<b><u>Microbiology</u></b>						
Coliforms, Fecal		1	CFU/100mL	10-Jul-25	TEL017	105
<b><u>Organics</u></b>						
Hexane Extractable Material	< 2.0	2	mg/L	11-Jul-25	TEL072	



Taiga Batch No.:  
250928

**- CERTIFICATE OF ANALYSIS -**

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Client Sample ID: **0570-3**

Taiga Sample ID: 001

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**- DATA QUALIFIERS -**

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*Data Qualifier Descriptions:*

**105**     *Sample 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



## Taiga Environmental Laboratory

4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9

Tel: (867)-767-9235 Fax: (867)-920-8740

Taiga Batch No.:

251506

### - FINAL REPORT -

Prepared For: Hamlet of Aklavik

Address: P.O. Box 87

Aklavik, NT

X0E 0A0

Attn: SAO

Facsimile: (867) 978-2502

Final report has been reviewed and approved by:

Bradley Koswan  
Quality Assurance Officer

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Taiga Batch No.:  
251506

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **1**

Taiga Sample ID: 001

**Client Project:**

Sample Type: Potable

Received Date: 25-Sep-25

Sampling Date: 22-Sep-25

Sampling Time: 15:14

Location: Aklavik Water Treatment Plant

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<b>Organics</b>						
Bromodichloromethane	< 1.0	1	ug/L	02-Oct-25	TEL074	
Bromoform	< 1.0	1	ug/L	02-Oct-25	TEL074	
Chloroform	4.5	1	ug/L	02-Oct-25	TEL074	
Dibromochloromethane	< 1.0	1	ug/L	02-Oct-25	TEL074	
Trihalomethanes, Total (calc.)	4.7	1	ug/L	02-Oct-25	TEL074	



Taiga Batch No.:  
251506

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **2**

Taiga Sample ID: 002

**Client Project:**

Sample Type: Potable

Received Date: 25-Sep-25

Sampling Date: 22-Sep-25

Sampling Time: 15:18

Location: Aklavik Water Treatment Plant

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<b>Organics</b>						
Bromodichloromethane	< 1.0	1	ug/L	02-Oct-25	TEL074	
Bromoform	< 1.0	1	ug/L	02-Oct-25	TEL074	
Chloroform	2.9	1	ug/L	02-Oct-25	TEL074	
Dibromochloromethane	< 1.0	1	ug/L	02-Oct-25	TEL074	
Trihalomethanes, Total (calc.)	3.0	1	ug/L	02-Oct-25	TEL074	



Taiga Batch No.:  
251506

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **OS70-3**

Taiga Sample ID: 003

**Client Project:**

Sample Type: Sewage

Received Date: 25-Sep-25

Sampling Date: 23-Sep-25

Sampling Time: 8:50

Location: Aklavik Sewage Lagoon

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<b><u>Inorganics - Nutrients</u></b>						
Biochemical Oxygen Demand	18	2	mg/L	25-Sep-25	TEL019	
<b><u>Inorganics - Physicals</u></b>						
pH	6.89		pH units	25-Sep-25	TEL058	
Solids, Total Suspended	10	3	mg/L	01-Oct-25	TEL008	
<b><u>Microbiology</u></b>						
Coliforms, Fecal		1	CFU/100mL		TEL017	105
<b><u>Organics</u></b>						
Hexane Extractable Material	2.3	2	mg/L	29-Sep-25	TEL072	



Taiga Batch No.:  
251506

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- CERTIFICATE OF ANALYSIS -

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Client Sample ID: OS70-3

Taiga Sample ID: 003

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- DATA QUALIFIERS -

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*Data Qualifier Descriptions:*

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

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SM - Standard Methods for the Examination of Water and Wastewater

EPA - United States Environmental Protection Agency



## Taiga Environmental Laboratory

4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9

Tel: (867)-767-9235 Fax: (867)-920-8740

Taiga Batch No.:

251340

### - FINAL REPORT -

Prepared For: Hamlet of Aklavik

Address: P.O. Box 87

Aklavik, NT

X0E 0A0

Attn: SAO

Facsimile: (867) 978-2502

Final report has been reviewed and approved by:

Bradley Koswan  
Quality Assurance Officer

#### NOTES:

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Taiga Batch No.:  
251340

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **Sewage 0570-3**

Taiga Sample ID: 001

**Client Project:**

Sample Type: **Water**

Received Date: 03-Sep-25

Sampling Date: **27-Aug-25**

Sampling Time: 11:00

Location: **Sewage Lagoon**

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<b><u>Inorganics - Nutrients</u></b>						
Biochemical Oxygen Demand		2	mg/L		TEL019	105
<b><u>Inorganics - Physicals</u></b>						
pH	6.69		pH units	03-Sep-25	TEL058	
Solids, Total Suspended	14	3	mg/L	05-Sep-25	TEL008	
<b><u>Microbiology</u></b>						
Coliforms, Fecal		1	CFU/100mL		TEL017	105
<b><u>Organics</u></b>						
Hexane Extractable Material	< 2.0	2	mg/L	11-Sep-25	TEL072	



Taiga Batch No.:  
251340

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- CERTIFICATE OF ANALYSIS -

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Client Sample ID: Sewage 0570-3

Taiga Sample ID: 001

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- DATA QUALIFIERS -

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*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



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

**Taiga Batch No.:**  
**250219**

**- FINAL REPORT -**

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**Prepared For:** Hamlet of Aklavik

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

**Attn:** SAO

**Facsimile:** (867) 978-2502

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

A handwritten signature in black ink, appearing to read 'Bradley Koswan'.

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**Bradley Koswan**  
**Quality Assurance Officer**

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**NOTES:**

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**ReportDate:** 12-Mar-25

**Print Date:** 12-Mar-25

*Page 1 of 4*



## Taiga Environmental Laboratory

4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9

Tel: (867)-767-9235 Fax: (867)-920-8740

Taiga Batch No.:  
**250219**

### - CERTIFICATE OF ANALYSIS -

Client Sample ID: **Aklavik WTP**

Taiga Sample ID: **001**

**Client Project:**

**Sample Type:** Potable

**Received Date:** 27-Feb-25

**Sampling Date:** 26-Feb-25

**Sampling Time:** 8:14

**Location:** Aklavik Water Treatment Plant

**Report Status:** Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<b>Organics</b>						
Bromodichloromethane	1.8	1	ug/L	10-Mar-25	TEL074	
Bromoform	< 1.0	1	ug/L	10-Mar-25	TEL074	
Chloroform	16.5	1	ug/L	10-Mar-25	TEL074	
Dibromochloromethane	< 1.0	1	ug/L	10-Mar-25	TEL074	
Trihalomethanes, Total (calc.)	18.4	1	ug/L	10-Mar-25	TEL074	

**ReportDate:** 12-Mar-25

**Print Date:** 12-Mar-25

Page 2 of 4



# Taiga Environmental Laboratory

4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9

Tel: (867)-767-9235 Fax: (867)-920-8740

Taiga Batch No.:  
**250219**

## - CERTIFICATE OF ANALYSIS -

Client Sample ID: **WTP Treated Sample Port**

Taiga Sample ID: **002**

**Client Project:**

**Sample Type:** Potable

**Received Date:** 27-Feb-25

**Sampling Date:** 26-Feb-25

**Sampling Time:** 8:07

**Location:** Aklavik Water Treatment Plant

**Report Status:** Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<b><u>Organics</u></b>						
Bromodichloromethane	1.8	1	ug/L	10-Mar-25	TEL074	
Bromoform	< 1.0	1	ug/L	10-Mar-25	TEL074	
Chloroform	17.1	1	ug/L	10-Mar-25	TEL074	
Dibromochloromethane	< 1.0	1	ug/L	10-Mar-25	TEL074	
Trihalomethanes, Total (calc.)	19.1	1	ug/L	10-Mar-25	TEL074	

**ReportDate:** 12-Mar-25

**Print Date:** 12-Mar-25



## Taiga Environmental Laboratory

4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9

Tel: (867)-767-9235 Fax: (867)-920-8740

**Taiga Batch No.:**

**250219**

### - CERTIFICATE OF ANALYSIS -

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**Client Sample ID: WTP Treated Sample Port**

**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

**ReportDate:** 12-Mar-25

**Print Date:** 12-Mar-25

*Page 4 of 4*



## Taiga Environmental Laboratory

4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9

Tel: (867)-767-9235 Fax: (867)-920-8740

Taiga Batch No.:

251067

### - FINAL REPORT -

Prepared For: Hamlet of Aklavik

Address: P.O. Box 87

Aklavik, NT

X0E 0A0

Attn: SAO

Facsimile: (867) 978-2502

Final report has been reviewed and approved by:

Bradley Koswan  
Quality Assurance Officer

#### NOTES:

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Taiga Batch No.:  
251067

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **Treated Water**

Taiga Sample ID: 001

**Client Project:**

Sample Type: **Treated Water**

Received Date: 25-Jul-25

Sampling Date: **23-Jul-25**

Sampling Time: 14:38

Location: **Aklavik Water Treatment Plant**

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<b><u>Cations by ICP-MS</u></b>						
Calcium	59.4	0.1	mg/L	06-Aug-25	TEL035	
Hardness	246	0.7	mg/L	06-Aug-25	TEL035	
Sodium	41.4	0.1	mg/L	06-Aug-25	TEL035	
<b><u>Inorganics - Nutrients</u></b>						
Ammonia as Nitrogen	0.007	0.005	mg/L	07-Aug-25	TEL068	
Nitrogen, Total	0.16	0.06	mg/L	31-Jul-25	TEL066	
Organic Carbon, Dissolved	1.5	0.5	mg/L	09-Aug-25	TEL033	
Organic Carbon, Total	2.2	0.5	mg/L	10-Aug-25	TEL033	
Phosphorous, Total	< 0.002	0.002	mg/L	08-Aug-25	TEL069	
<b><u>Inorganics - Physicals</u></b>						
Alkalinity, Total (as CaCO3)	124	0.4	mg/L	25-Jul-25	TEL060	
Colour, Apparent	5	5	CU	26-Jul-25	TEL051	
Conductivity, Specific (@25C)	620	0.4	µS/cm	25-Jul-25	TEL059	
pH	7.85		pH units	25-Jul-25	TEL058	
Solids, Total Dissolved	376	10	mg/L	29-Jul-25	TEL009	
Solids, Total Suspended	< 3	3	mg/L	29-Jul-25	TEL008	

ReportDate: Monday, August 18, 2025

Print Date: **Monday, August 18, 2025**



Taiga Batch No.:  
251067

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **Treated Water**

Taiga Sample ID: 001

Turbidity 0.19 0.05 NTU 25-Jul-25 TEL006

**Major Ions**

Chloride 6.5 0.7 mg/L 26-Jul-25 TEL055

Fluoride < 0.1 0.1 mg/L 26-Jul-25 TEL055

Nitrite as Nitrogen < 0.01 0.01 mg/L 26-Jul-25 TEL055

Sulphate 192 1 mg/L 26-Jul-25 TEL055

**Organics**

Bromodichloromethane < 1.0 1 ug/L 05-Aug-25 TEL074

Bromoform < 1.0 1 ug/L 05-Aug-25 TEL074

Chloroform 4.6 1 ug/L 05-Aug-25 TEL074

Dibromochloromethane < 1.0 1 ug/L 05-Aug-25 TEL074

Trihalomethanes, Total (calc.) 4.8 1 ug/L 05-Aug-25 TEL074

**Subcontracted Organics**

Cyanide, Total < 0.0050 0.005 mg/L 30-Jul-25 APHA4500-CN

**Trace Metals, Dissolved**

Aluminum 1960 0.6 µg/L 01-Aug-25 TEL035

Antimony 0.2 0.1 µg/L 01-Aug-25 TEL035

Arsenic < 0.2 0.2 µg/L 01-Aug-25 TEL035

Barium 53.6 0.1 µg/L 01-Aug-25 TEL035

Beryllium < 0.1 0.1 µg/L 01-Aug-25 TEL035

Bismuth < 0.2 0.2 µg/L 01-Aug-25 TEL035

Boron 13.7 0.9 µg/L 01-Aug-25 TEL035

Cadmium < 0.04 0.04 µg/L 01-Aug-25 TEL035

Cesium < 0.1 0.1 µg/L 01-Aug-25 TEL035

Chromium < 0.1 0.1 µg/L 01-Aug-25 TEL035

Cobalt < 0.1 0.1 µg/L 01-Aug-25 TEL035

ReportDate: Monday, August 18, 2025

Print Date: Monday, August 18, 2025



Taiga Batch No.:  
251067

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **Treated Water**

Taiga Sample ID: **001**

Copper	0.3	0.2	µg/L	01-Aug-25	TEL035
Iron	< 5	5	ug/L	01-Aug-25	TEL035
Lead	< 0.1	0.1	µg/L	01-Aug-25	TEL035
Lithium	6.2	0.2	µg/L	01-Aug-25	TEL035
Manganese	2.6	0.1	µg/L	01-Aug-25	TEL035
Molybdenum	1.4	0.1	µg/L	01-Aug-25	TEL035
Nickel	0.3	0.1	µg/L	01-Aug-25	TEL035
Rubidium	0.7	0.1	µg/L	01-Aug-25	TEL035
Selenium	1.4	0.3	µg/L	01-Aug-25	TEL035
Silver	< 0.1	0.1	µg/L	01-Aug-25	TEL035
Strontium	203	0.1	µg/L	01-Aug-25	TEL035
Thallium	< 0.1	0.1	µg/L	01-Aug-25	TEL035
Tin	< 0.1	0.1	µg/L	01-Aug-25	TEL035
Titanium	< 0.1	0.1	µg/L	01-Aug-25	TEL035
Uranium	0.9	0.1	µg/L	01-Aug-25	TEL035
Vanadium	0.3	0.1	µg/L	01-Aug-25	TEL035
Zinc	< 0.4	0.4	µg/L	01-Aug-25	TEL035
<b><u>Trace Metals, Total</u></b>					
Aluminum	2030	0.6	µg/L	01-Aug-25	TEL035
Antimony	0.2	0.1	µg/L	01-Aug-25	TEL035
Arsenic	< 0.2	0.2	µg/L	01-Aug-25	TEL035
Barium	54.6	0.1	µg/L	01-Aug-25	TEL035
Beryllium	< 0.1	0.1	µg/L	01-Aug-25	TEL035
Bismuth	< 0.2	0.2	µg/L	01-Aug-25	TEL035
Boron	14.5	0.9	µg/L	01-Aug-25	TEL035
Cadmium	< 0.04	0.04	µg/L	01-Aug-25	TEL035

ReportDate: Monday, August 18, 2025

Print Date: Monday, August 18, 2025



Taiga Batch No.:  
251067

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **Treated Water**

Taiga Sample ID: 001

Cesium	< 0.1	0.1	µg/L	01-Aug-25	TEL035
Chromium	0.1	0.1	µg/L	01-Aug-25	TEL035
Cobalt	< 0.1	0.1	µg/L	01-Aug-25	TEL035
Copper	0.3	0.2	µg/L	01-Aug-25	TEL035
Iron	< 5	5	ug/L	01-Aug-25	TEL035
Lead	< 0.1	0.1	µg/L	01-Aug-25	TEL035
Lithium	6.6	0.2	µg/L	01-Aug-25	TEL035
Manganese	3.3	0.1	µg/L	01-Aug-25	TEL035
Molybdenum	1.4	0.1	µg/L	01-Aug-25	TEL035
Nickel	0.4	0.1	µg/L	01-Aug-25	TEL035
Rubidium	0.7	0.1	µg/L	01-Aug-25	TEL035
Selenium	1.4	0.3	µg/L	01-Aug-25	TEL035
Silver	< 0.1	0.1	µg/L	01-Aug-25	TEL035
Strontium	207	0.1	µg/L	01-Aug-25	TEL035
Thallium	< 0.1	0.1	µg/L	01-Aug-25	TEL035
Tin	< 0.1	0.1	µg/L	01-Aug-25	TEL035
Titanium	< 0.1	0.1	µg/L	01-Aug-25	TEL035
Uranium	0.9	0.1	µg/L	01-Aug-25	TEL035
Vanadium	0.3	0.1	µg/L	01-Aug-25	TEL035
Zinc	< 0.4	0.4	µg/L	01-Aug-25	TEL035



Taiga Batch No.:  
251067

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **Raw Water**

Taiga Sample ID: 002

**Client Project:**

Sample Type: **Raw Water**

Received Date: 25-Jul-25

Sampling Date: **23-Jul-25**

Sampling Time: 14:38

Location: **Aklavik Water Treatment Plant**

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<b><u>Cations by ICP-MS</u></b>						
Hardness	258	0.7	mg/L	06-Aug-25	TEL035	
Sodium	7.7	0.1	mg/L	06-Aug-25	TEL035	
<b><u>Inorganics - Nutrients</u></b>						
Organic Carbon, Dissolved	3.2	0.5	mg/L	09-Aug-25	TEL033	
Organic Carbon, Total	3.4	0.5	mg/L	10-Aug-25	TEL033	
<b><u>Inorganics - Physicals</u></b>						
Alkalinity, Total (as CaCO3)	121	0.4	mg/L	25-Jul-25	TEL060	
Colour, Apparent	190	5	CU	26-Jul-25	TEL051	
Conductivity, Specific (@25C)	500	0.4	µS/cm	25-Jul-25	TEL059	
pH	6.95		pH units	25-Jul-25	TEL058	
Solids, Total Dissolved	321	10	mg/L	29-Jul-25	TEL009	
Solids, Total Suspended	126	3	mg/L	29-Jul-25	TEL008	
Turbidity	102	0.05	NTU	25-Jul-25	TEL006	
<b><u>Major Ions</u></b>						
Chloride	2.3	0.7	mg/L	26-Jul-25	TEL055	
Fluoride	< 0.1	0.1	mg/L	26-Jul-25	TEL055	
Sulphate	140	1	mg/L	26-Jul-25	TEL055	

ReportDate: Monday, August 18, 2025

Print Date: *Monday, August 18, 2025*



Taiga Batch No.:  
251067

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **Raw Water**

Taiga Sample ID: **002**

**Subcontracted Organics**

Cyanide, Total	< 0.0050	0.005	mg/L	30-Jul-25	APHA4500-CN
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**Trace Metals, Dissolved**

Aluminum	21.9	0.6	µg/L	01-Aug-25	TEL035
Antimony	0.2	0.1	µg/L	01-Aug-25	TEL035
Arsenic	0.4	0.2	µg/L	01-Aug-25	TEL035
Barium	62.1	0.1	µg/L	01-Aug-25	TEL035
Beryllium	< 0.1	0.1	µg/L	01-Aug-25	TEL035
Bismuth	< 0.2	0.2	µg/L	01-Aug-25	TEL035
Boron	14.5	0.9	µg/L	01-Aug-25	TEL035
Cadmium	< 0.04	0.04	µg/L	01-Aug-25	TEL035
Cesium	< 0.1	0.1	µg/L	01-Aug-25	TEL035
Chromium	< 0.1	0.1	µg/L	01-Aug-25	TEL035
Cobalt	0.2	0.1	µg/L	01-Aug-25	TEL035
Copper	0.8	0.2	µg/L	01-Aug-25	TEL035
Iron	< 5	5	ug/L	01-Aug-25	TEL035
Lead	< 0.1	0.1	µg/L	01-Aug-25	TEL035
Lithium	8.0	0.2	µg/L	01-Aug-25	TEL035
Manganese	6.0	0.1	µg/L	01-Aug-25	TEL035
Molybdenum	1.5	0.1	µg/L	01-Aug-25	TEL035
Nickel	1.5	0.1	µg/L	01-Aug-25	TEL035
Rubidium	0.6	0.1	µg/L	01-Aug-25	TEL035
Selenium	1.5	0.3	µg/L	01-Aug-25	TEL035
Silver	< 0.1	0.1	µg/L	01-Aug-25	TEL035
Strontium	215	0.1	µg/L	01-Aug-25	TEL035
Thallium	< 0.1	0.1	µg/L	01-Aug-25	TEL035

ReportDate: Monday, August 18, 2025

Print Date: Monday, August 18, 2025



Taiga Batch No.:  
251067

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **Raw Water**

Taiga Sample ID: **002**

Tin	< 0.1	0.1	µg/L	01-Aug-25	TEL035
Titanium	< 0.1	0.1	µg/L	01-Aug-25	TEL035
Uranium	1.7	0.1	µg/L	01-Aug-25	TEL035
Vanadium	0.3	0.1	µg/L	01-Aug-25	TEL035
Zinc	< 0.4	0.4	µg/L	01-Aug-25	TEL035
<b><u>Trace Metals, Total</u></b>					
Aluminum	1940	0.6	µg/L	01-Aug-25	TEL035
Antimony	0.3	0.1	µg/L	01-Aug-25	TEL035
Arsenic	2.0	0.2	µg/L	01-Aug-25	TEL035
Barium	131	0.1	µg/L	01-Aug-25	TEL035
Beryllium	0.1	0.1	µg/L	01-Aug-25	TEL035
Bismuth	< 0.2	0.2	µg/L	01-Aug-25	TEL035
Boron	21.5	0.9	µg/L	01-Aug-25	TEL035
Cadmium	0.09	0.04	µg/L	01-Aug-25	TEL035
Cesium	0.6	0.1	µg/L	01-Aug-25	TEL035
Chromium	3.8	0.1	µg/L	01-Aug-25	TEL035
Cobalt	1.8	0.1	µg/L	01-Aug-25	TEL035
Copper	4.9	0.2	µg/L	01-Aug-25	TEL035
Iron	3720	5	µg/L	01-Aug-25	TEL035
Lead	1.7	0.1	µg/L	01-Aug-25	TEL035
Lithium	11.5	0.2	µg/L	01-Aug-25	TEL035
Manganese	63.6	0.1	µg/L	01-Aug-25	TEL035
Molybdenum	1.6	0.1	µg/L	01-Aug-25	TEL035
Nickel	6.7	0.1	µg/L	01-Aug-25	TEL035
Rubidium	5.7	0.1	µg/L	01-Aug-25	TEL035
Selenium	1.3	0.3	µg/L	01-Aug-25	TEL035

ReportDate: Monday, August 18, 2025

Print Date: Monday, August 18, 2025



Taiga Batch No.:  
251067

**- CERTIFICATE OF ANALYSIS -**

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Client Sample ID: **Raw Water**

Taiga Sample ID: 002

Silver	< 0.1	0.1	µg/L	01-Aug-25	TEL035
Strontium	225	0.1	µg/L	01-Aug-25	TEL035
Thallium	< 0.1	0.1	µg/L	01-Aug-25	TEL035
Tin	< 0.1	0.1	µg/L	01-Aug-25	TEL035
Titanium	12.3	0.1	µg/L	01-Aug-25	TEL035
Uranium	1.9	0.1	µg/L	01-Aug-25	TEL035
Vanadium	7.8	0.1	µg/L	01-Aug-25	TEL035
Zinc	17.4	0.4	µg/L	01-Aug-25	TEL035



Taiga Batch No.:  
251067

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **Potable**

Taiga Sample ID: 003

**Client Project:**

Sample Type: **Water**

Received Date: 25-Jul-25

Sampling Date: **23-Jul-25**

Sampling Time: **14:38**

Location: **Aklavik Water Treatment Plant**

Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<b>Organics</b>						
Bromodichloromethane	< 1.0	1	ug/L	05-Aug-25	TEL074	
Bromoform	< 1.0	1	ug/L	05-Aug-25	TEL074	
Chloroform	4.5	1	ug/L	05-Aug-25	TEL074	
Dibromochloromethane	< 1.0	1	ug/L	05-Aug-25	TEL074	
Trihalomethanes, Total (calc.)	4.6	1	ug/L	05-Aug-25	TEL074	



Taiga Batch No.:  
251067

**- CERTIFICATE OF ANALYSIS -**

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Client Sample ID: **Potable**

Taiga Sample ID: 003

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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



## Taiga Environmental Laboratory

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

Taiga Batch No.:  
**251876**

### - FINAL REPORT -

Prepared For: Hamlet of Aklavik

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

Attn: SAO

Facsimile: (867) 978-2502

Final report has been reviewed and approved by:

Bradley Koswan  
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.
- All data provided by the customer will be represented by the blue colour used in this statement.



Taiga Batch No.:  
251876

**- CERTIFICATE OF ANALYSIS -**

Client Sample ID: **Dec 9,25 @ 1:50pm**

Taiga Sample ID: 001

**Client Project:**

Sample Type: Potable

Received Date: 11-Dec-25

Sampling Date: 09-Dec-25

Sampling Time: 13:50

Location: Aklavik Water Treatment Plant

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<b>Organics</b>						
Bromodichloromethane	< 1.0	1	ug/L	12-Dec-25	TEL074	
Bromoform	< 1.0	1	ug/L	12-Dec-25	TEL074	
Chloroform	2.0	1	ug/L	12-Dec-25	TEL074	
Dibromochloromethane	< 1.0	1	ug/L	12-Dec-25	TEL074	
Trihalomethanes, Total (calc.)	2.1	1	ug/L	12-Dec-25	TEL074	



Taiga Batch No.:  
251876

- CERTIFICATE OF ANALYSIS -

Client Sample ID: Dec 9,25 @ 1:55pm

Taiga Sample ID: 002

Client Project:

Sample Type: Potable

Received Date: 11-Dec-25

Sampling Date: 09-Dec-25

Sampling Time: 13:55

Location: Aklavik Water Treatment Plant

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<b>Organics</b>						
Bromodichloromethane	< 1.0	1	ug/L	12-Dec-25	TEL074	
Bromoform	< 1.0	1	ug/L	12-Dec-25	TEL074	
Chloroform	2.0	1	ug/L	12-Dec-25	TEL074	
Dibromochloromethane	< 1.0	1	ug/L	12-Dec-25	TEL074	
Trihalomethanes, Total (calc.)	2.1	1	ug/L	12-Dec-25	TEL074	



Taiga Batch No.:  
251876

**- CERTIFICATE OF ANALYSIS -**

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Client Sample ID: **Dec 9,25 @ 1:55pm**

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