

Municipal Water License Annual Report

Hamlet of Tuktoyaktuk

License # N7L3-0714

Reporting Year 2012

1. Water Usage

Total yearly volume withdrawn: 46,623.22³

Table 1 – Monthly withdrawal volumes

Month	Volume from source (m3 or l)	Volume from any other source (m3 or l)
January	3081.87	n/a
February	3091.67	n/a
March	3899.23	n/a
April	3745.71	n/a
May	4797.92	n/a
June	4197.06	n/a
July	3843.05	n/a
August	4161.26	n/a
September	3324.68	n/a
October	4302.69	n/a
November	3967.41	n/a
December	4210.67	n/a
TOTALS	46623.22	
% Increase from previous year	-16%	

Reasons for increase / decrease (if applicable):

Decrease in need of water from major (local) businesses, they do not require water deliveries.

Reasons for exceeding licenced withdrawal volumes (if applicable):
n/a

General information:
Water treatment plant issues have been addressed by Corix.

2. Solid Waste and Sewage Disposal

Total yearly volume of sewage deposited: 39,016.8³

Table 2 – Monthly sewage disposal volumes

2011 Month	Volume of sewage deposited (m ³ or l)
January	2,944.04
February	2,907.04
March	3,287.8
April	3,157.06
May	3,129.2
June	3,449.4
July	3,510.3
August	3,399.4
September	3,388.7
October	3,104.8
November	3,104.8
December	3,290.03
TOTALS	39,016.8
% Increase from previous year	0%

Has any sludge removal been conducted this year? If so, state volume, frequency and disposal method and site:

No.

State when the lagoon decanted this year. What was the frequency and volumes of the decant:

October 2012.

3. Hazardous Waste Storage and Transportation

On Table 3, list the types of hazardous waste accepted into the facility with volumes if known.

Table 3 - Monthly hazardous waste storage

Month	Type of hazardous waste accepted (Volume if known in m3 or l)	Type of hazardous waste transported off-site (Volume in m3 or l)
January	0	
February	0	
March	0	
April	0	
May	0	
June	0	
July	0	
August	0	
September	0	
October	0	
November	0	
December	0	
TOTALS	0	
% Increase from previous year	0	

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

24 m³ of contaminated soil sent out by barge

Please describe any changes or improvements to hazardous waste storage areas.

n/a

4. Problems, modifications or repairs completed during the year on water supply and waste disposal facilities

Include any changes to infrastructure to all facilities completed during the year in this section. This includes any changes, repairs and modifications. If any problems occurred during the year, please note them here. If there are no changes, make note of that.

n/a

5. Abandonment and restoration

Include any abandonment and restoration details here including and work anticipated to be completed during the next year.

n/a

6. Unauthorized discharges

List any unauthorized discharges here, including any spills, how and when they were reported, and how they were cleaned up.

n/a

7. Updates or revisions to approved plans

Details on any changes to approved plans such as the Operating and Maintenance Plan (O&M plan) or any other that is specific to your Hamlet's Water Licence.

Plans specific to your licence:

- *Spill Contingency Plan*
- *Sewage Treatment Plan*
- *Municipal Solid Waste Operations and Maintenance Plan*
- *Abandonment and Restoration Plan*

n/a

8. Studies requested by the Board

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 of the study completed and the outcome. Include any attachments with the submission of the Annual Report. Include details any upcoming studies that will be completed by the Hamlet. Please include a copy or a summary of the studies completed.

n/a

9. Other Information

Include any other information here that may be valuable to the NWTWB or to INAC. . Please also include in this section non-compliance items identified in the inspection report and how the Hamlet is addressing them. If there is 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 NWTWB is aware of ongoing problems with the licence, discussions can occur to find a resolution. Please include any other details of water use or waste disposal as requested by the NWTWB.

n/a

10. 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 4, insert the sites where the Hamlet sampled this year and the sampling period (sampling date). Please attached the complete Taiga laboratory results, when sending your "Municipal Water Licence Annual Report" to the Northwest Territories Water Board.*

Table 4: Sampling station and sampling period

Sampling station	After break-up	Prior to freeze-up
0714-2		
0714-3		



Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
120936

- FINAL REPORT -

Prepared For: Hamlet of Tuktoyaktuk

Address: P.O. Box 120
Tuktoyaktuk, NT
X0E 1C0

Attn: Debbie Raddi

Facsimile: (867) 977-2110

Final report has been reviewed and approved by:

Helene Harper
Manager

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) 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: Wednesday, October 10, 2012

Print Date: Wednesday, October 10, 2012



Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
120936

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **A**

Taiga Sample ID: **001**

Client Project:

Sample Type: Sewage

Received Date: 04-Oct-12

Sampling Date: 04-Oct-12

Sampling Time: 9:15

Location:

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Microbiology</u>						
Coliforms, Fecal	68000	1000	CFU/100mL	04-Oct-12	SM9222:D	

ReportDate: Wednesday, October 10, 2012

Print Date: Wednesday, October 10, 2012



Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
120936

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **B**

Taiga Sample ID: **002**

Client Project:

Sample Type: Sewage

Received Date: 04-Oct-12

Sampling Date: 04-Oct-12

Sampling Time: 9:15

Location:

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Microbiology</u>						
Coliforms, Fecal	67000	1000	CFU/100mL	04-Oct-12	SM9222:D	

ReportDate: Wednesday, October 10, 2012

Print Date: Wednesday, October 10, 2012



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Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
120936

- CERTIFICATE OF ANALYSIS -

Client Sample ID: B

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: Wednesday, October 10, 2012

Print Date: Wednesday, October 10, 2012

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Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
120823

- FINAL REPORT -

Prepared For: Hamlet of Tuktoyaktuk

Address: P.O. Box 120
Tuktoyaktuk, NT
X0E 1C0

Attn: Peter Nogasak

Facsimile: (867) 977-2110

Final report has been reviewed and approved by:

Helene Harper
Manager

NOTES:

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ReportDate: Tuesday, September 25, 2012

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Print Date: Tuesday, September 25, 2012



Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
120823

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **0714-2**

Taiga Sample ID: **001**

Client Project:

Sample Type: Sewage Facility

Received Date: 13-Sep-12

Sampling Date: 13-Sep-12

Sampling Time: 8:10

Location: Sewage Facility

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Physicals</u>						
pH	7.93		pH units	14-Sep-12	SM4500-H:B	
Solids, Total Suspended	92	3	mg/L	20-Sep-12	SM2540:D	
<u>Inorganics - Nutrients</u>						
Biochemical Oxygen Demand	28	2	mg/L	14-Sep-12	SM5210:B	
CBOD	25	2	mg/L	14-Sep-12	SM5210:B	
<u>Microbiology</u>						
Coliforms, Fecal	11000	100	CFU/100mL	13-Sep-12	SM9222:D	
<u>Organics</u>						
Hexane Extractable Material	3.7	2.0	mg/L	14-Sep-12	EPA1664A	

ReportDate: Tuesday, September 25, 2012

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Taiga Batch No.:
120823

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 0714-2

Taiga Sample ID: 001

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EPA - United States Environmental Protection Agency

ReportDate: Tuesday, September 25, 2012

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Print Date: Tuesday, September 25, 2012



Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
120956

- FINAL REPORT -

Prepared For: Hamlet of Tuktoyaktuk

Address: P.O. Box 120
Tuktoyaktuk, NT
X0E 1C0

Attn: Peter Nogasak

Facsimile: (867) 977-2110

Final report has been reviewed and approved by:

Helene Harper
Manager

NOTES:

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ReportDate: Tuesday, October 23, 2012

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4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
120956

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 0714-3

Taiga Sample ID: 001

Client Project:

Sample Type: Water

Received Date: 10-Oct-12

Sampling Date: 10-Oct-12

Sampling Time:

Location: Solid Waste Site

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Inorganics - Physicals</u>						
pH	8.36		pH units	11-Oct-12	SM4500-H:B	
Solids, Total Suspended	6	3	mg/L	17-Oct-12	SM2540:D	
<u>Inorganics - Nutrients</u>						
Biochemical Oxygen Demand	10	2	mg/L	11-Oct-12	SM5210:B	
CBOD	11	2	mg/L	11-Oct-12	SM5210:B	
<u>Microbiology</u>						
Coliforms, Fecal	55	1	CFU/100mL	10-Oct-12	SM9222:D	
<u>Organics</u>						
Hexane Extractable Material	No Container		mg/L		EPA1664A	16
<u>Trace Metals, Total</u>						
Cadmium	< 0.05	0.05	µg/L	17-Oct-12	EPA200.8	
Chromium	0.8	0.1	µg/L	17-Oct-12	EPA200.8	
Cobalt	< 0.1	0.1	µg/L	17-Oct-12	EPA200.8	
Copper	< 0.2	0.2	µg/L	17-Oct-12	EPA200.8	

ReportDate: Tuesday, October 23, 2012

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Print Date: Tuesday, October 23, 2012



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Taiga Batch No.:
120956

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 0714-3

Taiga Sample ID: 001

Iron	391	5	µg/L	17-Oct-12	EPA200.8
Lead	< 0.1	0.1	µg/L	17-Oct-12	EPA200.8
Manganese	7.4	0.1	µg/L	17-Oct-12	EPA200.8
Mercury	< 0.01	0.01	µg/L	17-Oct-12	EPA200.8
Nickel	2.2	0.1	µg/L	17-Oct-12	EPA200.8
Zinc	6.6	0.4	µg/L	17-Oct-12	EPA200.8

Subcontracted Organics

Polychlorinated Biphenyls	< 0.1	0.1	ug/L	19-Oct-12	EPA8082
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ReportDate: Tuesday, October 23, 2012

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Print Date: Tuesday, October 23, 2012



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Taiga Batch No.:
120956

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 0714-3

Taiga Sample ID: 001

- DATA QUALIFIERS -

Data Qualifier Descriptions:

16 *Test requested but no sample bottle received*

*** 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: Tuesday, October 23, 2012

Print Date: Tuesday, October 23, 2012

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**Taiga Environmental Laboratory**

4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3

Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:

110758

- FINAL REPORT -**Prepared For:** Hamlet of Tuktoyaktuk**Address:** P.O. Box 120
Tuktoyaktuk, NT
X0E 1C0**Attn:** Peter Nogasak**Facsimile:** (867) 977-2110**Final report has been reviewed and approved by:****Angelique Ruzindana**
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) as a testing laboratory for specific tests registered with CALA.
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- Final results are based on the specific tests at the time of analysis and do not represent the conditions during sampling.

ReportDate: Friday, October 21, 2011**Print Date:** Friday, October 21, 2011

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Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
110758

- CERTIFICATE OF ANALYSIS -

Client Sample ID: Solid Waste Site

Taiga Sample ID: 001

Client Project:

Sample Type: Unknown Water

Received Date: 06-Oct-11

Sampling Date: 05-Oct-11

Sampling Time: 9:10

Location: Solid Waste Site

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Physicals</u>						
pH	8.31		pH units	06-Oct-11	SM4500-H:B	
Solids, Total Suspended	34	3	mg/L	11-Oct-11	SM2540:D	
<u>Inorganics - Nutrients</u>						
Biochemical Oxygen Demand	2	2	mg/L	06-Oct-11	SM5210:B	
<u>Microbiology</u>						
Coliforms, Fecal	44	1	CFU/100mL	06-Oct-11	SM9222:D	
<u>Trace Metals, Total</u>						
Cadmium	< 0.1	0.1	µg/L	13-Oct-11	EPA200.8	
Chromium	0.3	0.1	µg/L	13-Oct-11	EPA200.8	
Cobalt	0.1	0.1	µg/L	13-Oct-11	EPA200.8	
Copper	1.1	0.2	µg/L	13-Oct-11	EPA200.8	
Iron	481	5	µg/L	13-Oct-11	EPA200.8	
Lead	0.3	0.1	µg/L	13-Oct-11	EPA200.8	
Manganese	8.1	0.1	µg/L	13-Oct-11	EPA200.8	

Report Date: Friday, October 21, 2011

Print Date: Friday, October 21, 2011



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Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
110758

- CERTIFICATE OF ANALYSIS -

Client Sample ID: Solid Waste Site

Taiga Sample ID: 001

Mercury	0.01	0.01	µg/L	13-Oct-11	EPA200.8
Nickel	2.6	0.1	µg/L	13-Oct-11	EPA200.8
Zinc	8	5	µg/L	13-Oct-11	EPA200.8

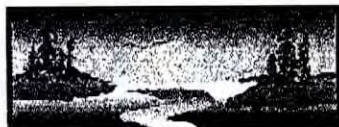
Subcontracted Organics

Polychlorinated Biphenyls	< 0.1	0.1	ug/L	19-Oct-11	EPA8082
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ReportDate: Friday, October 21, 2011

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Print Date: Friday, October 21, 2011



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Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
110758

- CERTIFICATE OF ANALYSIS -

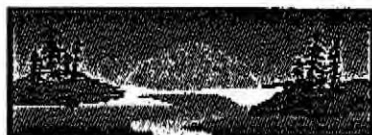
Client Sample ID: Solid Waste Site

Taiga Sample ID: 001

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ReportDate: Friday, October 21, 2011
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Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
120956

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 0714-3

Taiga Sample ID: 001

Client Project:

Sample Type: sewage

Received Date: 10-Oct-12

Sampling Date: 10-Oct-12

Sampling Time:

Location: Solid Waste Site

Report Status: Preliminary

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Physicals</u>						
pH	8.36		pH units	11-Oct-12	SM4500-H:B	
Solids, Total Suspended			mg/L		SM2540:D	
<u>Inorganics - Nutrients</u>						
Biochemical Oxygen Demand			mg/L		SM5210:B	
CBOD			mg/L		SM5210:B	
<u>Microbiology</u>						
Coliforms, Fecal	55	1	CFU/100mL	10-Oct-12	SM9222:D	
<u>Organics</u>						
Hexane Extractable Material	No Container		mg/L		EPA1664A	16
<u>Trace Metals, Total</u>						
Cadmium			µg/L		EPA200.8	
Chromium			µg/L		EPA200.8	
Cobalt			µg/L		EPA200.8	
Copper			µg/L		EPA200.8	

Report Date:

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**Taiga Environmental Laboratory**

4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3

Tel: (867)-669-2788 Fax: (867)-669-2718

**Taiga Batch No.:
120956****- CERTIFICATE OF ANALYSIS -**

Client Sample ID: 0714-3**Taiga Sample ID: 001**

Iron	µg/L	EPA200.8
Lead	µg/L	EPA200.8
Manganese	µg/L	EPA200.8
Mercury	µg/L	EPA200.8
Nickel	µg/L	EPA200.8
Zinc	µg/L	EPA200.8

Subcontracted Organics

Polychlorinated Biphenyls	ug/L	EPA8082
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ReportDate:**Print Date:** Friday, October 12, 2012

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Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
120956

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 0714-3

Taiga Sample ID: 001

- DATA QUALIFIERS -

Data Qualifier Descriptions:

16 *Test requested but no sample bottle received*

*** Taiga analytical methods are based on the following standard analytical methods**

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EPA - United States Environmental Protection Agency

ReportDate:

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Print Date: Friday, October 12, 2012



Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
120956

- PRELIMINARY REPORT -

Prepared For: Hamlet of Tuktoyaktuk

Address: P.O. Box 120
Tuktoyaktuk, NT
X0E 1C0

Attn: Peter Nogasak

Facsimile: (867) 977-2110

Final report has been reviewed and approved by:

Judy Mah
Client Service Officer

NOTES:

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3906



Beaufort-Delta

Health & Social Services

Bag Service #2
285 Mackenzie Road
Inuvik, NT X0E-0T0
Lab: 867-777-8025
Lab fax: 867-777-8061

REQUISITION FOR BACTERIOLOGICAL ANALYSIS OF WATER

Section A: Sample Information — please complete in full Section B: Laboratory Use Only

Name of Community: TUKTOYAKTUK	Contact Name: ROBERT	Date/Time Sample Received: 26 Sept 2012 1100
Facility Name: Tuk Community Center	Telephone: 867 977 2286	Name of Receiver: LOWIE GOOSE
Collection Point: KITCHEN	Address: P.O. Box 100 X0E-1C0	Sample analysis by: <input checked="" type="checkbox"/> Colilert <input type="checkbox"/> Other: _____ <input type="checkbox"/> Rejected: _____
Collected by: ROBERT	Fax:	Total Coliforms: <input type="checkbox"/> Positive <input checked="" type="checkbox"/> Negative
Date Collected: SEPT. 25, 2012	Time Collected: 9:53 AM	E.coli: <input type="checkbox"/> Positive <input checked="" type="checkbox"/> Negative
<input checked="" type="checkbox"/> Drinking Water	<input type="checkbox"/> Recreational Water	<input type="checkbox"/> Unknown Quality
<input checked="" type="checkbox"/> Municipal Supply	<input type="checkbox"/> Swimming Pool	Test Resulted by: RL 23/9/12
<input type="checkbox"/> Camp	<input type="checkbox"/> Hot Tub/Whirl Pool	Date/Time Resulted: @ 14:45
<input type="checkbox"/> Private	<input type="checkbox"/> Beach	Comments/Actions:
<input checked="" type="checkbox"/> Water Treatment Plant	<input type="checkbox"/> Lake	FAXED
<input checked="" type="checkbox"/> Water Truck	<input type="checkbox"/> River	
<input type="checkbox"/> Pipe Distribution	<input type="checkbox"/> Creek	
Chlorine Concentration:	# of Persons using supply:	
**Call EHO for results/questions at the following #s according to community		Section C: Environmental Health Officer Use Only
Bob Hanley Office: 867-777-7220 Cell: 867-678-0014 Fax: 867-777-2039 Robert_hanley@gov.nt.ca	Aklavik, Deline Colville Lake Fort McPherson Inuvik, Paulatuk Tsiigehtchic	<input type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory
Bob Savoury Office: 867-777-7250 Cell: 867-678-5616 Fax: 867-777-2039 Robert_savoury@gov.nt.ca	Norman Wells, Tulita Tuktoyaktuk Ulukhaktuk, Sachs Harbour Fort Good Hope	Results: <input type="checkbox"/> Entered <input type="checkbox"/> Mailed <input type="checkbox"/> Fax <input type="checkbox"/> Telephoned
		Comments/Actions: Satisfactory
EHO Office Location: 106 Veteran's Way, Room 134 in new GNWT building	EHO mailing address: PO Box 1980, Inuvik, NT X0E-0T0	Environmental Health Officer: Date: 26/10/12



Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
120919

- FINAL REPORT -

Prepared For: Hamlet of Tuktoyaktuk

Address: P.O. Box 120
Tuktoyaktuk, NT
X0E 1C0

Attn: Debbie Raddi

Facsimile: (867) 977-2110

Final report has been reviewed and approved by:

Helene Harper
Manager

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) 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: Wednesday, October 03, 2012

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Print Date: Wednesday, October 03, 2012



Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
120919

- CERTIFICATE OF ANALYSIS -

Client Sample ID: Sewage Lagoon A

Taiga Sample ID: 001

Client Project:

Sample Type: Sewage

Received Date: 02-Oct-12

Sampling Date: 01-Oct-12

Sampling Time: 8:25

Location:

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Microbiology						
Coliforms, Fecal	tntc	100	CFU/100mL	02-Oct-12	SM9222:D	86

ReportDate: Wednesday, October 03, 2012

Print Date: Wednesday, October 03, 2012



Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
120919

- CERTIFICATE OF ANALYSIS -

Client Sample ID: Sewage Lagoon B

Taiga Sample ID: 002

Client Project:

Sample Type: Sewage

Received Date: 02-Oct-12

Sampling Date: 01-Oct-12

Sampling Time: 8:25

Location:

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Microbiology						
Coliforms, Fecal	tntc	100	CFU/100mL	02-Oct-12	SM9222:D	86

ReportDate: Wednesday, October 03, 2012

Print Date: Wednesday, October 03, 2012



Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
120919

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **Sewage Lagoon B**

Taiga Sample ID: **002**

- DATA QUALIFIERS -

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

ReportDate: Wednesday, October 03, 2012

Print Date: Wednesday, October 03, 2012

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Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
120964

- FINAL REPORT -

Prepared For: Hamlet of Tuktoyaktuk

Address: P.O. Box 120
Tuktoyaktuk, NT
X0E 1C0

Attn: Peter Nogasak

Facsimile: (867) 977-2110

Final report has been reviewed and approved by:

Angelique Ruzindana
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) 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, October 30, 2012

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Print Date: Tuesday, October 30, 2012



Taiga Environmental Laboratory
4601-52nd Ave., Box 1500, Yellowknife, NT. X1A 2R3
Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
120964

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **Sewage Lagoon**

Taiga Sample ID: **001**

Client Project:

Sample Type: Sewage

Received Date: 12-Oct-12

Sampling Date: 12-Oct-12

Sampling Time:

Location:

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
<u>Inorganics - Physicals</u>						
pH	8.28		pH units	15-Oct-12	SM4500-H:B	
Solids, Total Suspended	98	3	mg/L	17-Oct-12	SM2540:D	
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	6.73	0.005	mg/L	26-Oct-12	SM4500-NH3:	
Biochemical Oxygen Demand	20	2	mg/L	12-Oct-12	SM5210:B	
<u>Microbiology</u>						
Coliforms, Fecal	No Container		CFU/100mL		SM9222:D	16
<u>Organics</u>						
Hexane Extractable Material	< 2.0	2.0	mg/L	17-Oct-12	EPA1664A	

ReportDate: Tuesday, October 30, 2012

Print Date: Tuesday, October 30, 2012



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Tel: (867)-669-2788 Fax: (867)-669-2718

Taiga Batch No.:
120964

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **Sewage Lagoon**

Taiga Sample ID: **001**

- DATA QUALIFIERS -

Data Qualifier Descriptions:

16 *Test requested but no sample bottle received*

*** 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