



INCORPORATED HAMLET OF SACHS HARBOUR
BOX 90, SACHS HARBOUR NT X0E 0Z0
Telephone: 867-690-4351
Facsimile: 867-690-4802

FACSIMILE TRANSMITTAL SHEET

TO: <u>Jan Davis</u>	RE: <u>2011 Annual Report w/L# N7L3-1531</u>
COMPANY: <u>NWTWB</u>	DATE: <u>May 18, 2012</u>
FAX NUMBER: <u>678-2943</u>	TOTAL NO. OF PAGES INCLUDING COVER: <u>15</u>
PHONE NUMBER:	SENDER'S REFERENCE NUMBER:
YOUR REFERENCE NUMBER:	

URGENT FOR REVIEW PLEASE COMMENT PLEASE REPLY PLEASE RECYCLE

- FROM:
- Adella Carpenter – Interim Senior Administrative Officer
 - Kowesa Eritiq-Trainee Senior Administrative Officer
 - Sharon Green-Secretary/Receptionist
 - Doreen Carpenter-Recreation Coordinator
 - Floyd Lennie – Foreman
 - _____

As per attached our 2011 Annual Report for our water licence #N7L3-1531. If you have any questions, please do not hesitate to call me at the above number. Thank you.

NORTHWEST
TERRITORIES
WATER BOARDNUNAPPA
SIVUNIUKPAIT
IMMAKUN

Municipal Water Licence Annual Report

SACHS
Hamlet of HARBOUR
Licence # N7L3-1531
Reporting year 2011



1. Water Usage

Total yearly volume withdrawn: 4,337,437.80

Table 1 – Monthly withdrawal volumes

Month	Volume from source (m3 or l)	Volume from any other source (m3 or l)
January	382,753.96	
February	329,578.72	
March	419,363.75	
April	316,098.97	
May	368,367.13	
June	417,818.45	
July	373,015.34	
August	400,017.20	
September	369,760.0	
October	304,624.28	
November	402,200.0	
December	253,900.0	
TOTALS		
% Increase from previous year	4,337,437.80	

Reasons for increase / decrease (if applicable):

Decreased this year, we had problems with the WTP and water Meter.

Reasons for exceeding licenced withdrawal volumes (if applicable):

N/A

General information:

NORTHWEST
TERRITORIES
WATER BOARD



NUNAPPA
SIVUNIUKPAIT
IMMAKUN

2. Solid Waste and Sewage Disposal

Total yearly volume of sewage deposited: 4,290,000

Table 2 – Monthly sewage disposal volumes

Month	Volume of sewage deposited (m3 or l)
January	380,000
February	327,000
March	417,000
April	314,000
May	366,000
June	415,000
July	371,000
August	380,000
September	367,000
October	302,000
November	400,000
December	251,000
TOTALS	
% Increase from previous year	<u>4,290,000</u>

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

None

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

N/A



3. Hazardous Waste Storage and Transportation

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

Only accepted domestic garbage.

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	None	
February	None	
March	None	
April	None	
May	None	
June	None	
July	None	
August	None	
September	None	
October	None	
November	None	
December	None	
TOTALS	None	
% 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.

None

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

No changes, will be upgraded this fiscal year.



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.

Repairs were done at the Water Treatment Plant. The line was pulled, removed the broken heat trace line and installed a new one. The second heat trace will be installed in the summer after it melts.

5. Abandonment and restoration

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

The Hazardous waste site and Solid waste site will be upgraded this fiscal year.

6. Unauthorized discharges

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

No discharges.

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 - A copy of the plan already forwarded.
- Sewage Treatment Plan - Will be upgraded this year.
- Municipal Solid Waste Operations and Maintenance Plan Has been segregated and partially fenced
- Abandonment and Restoration Plan

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.

None.



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.

None

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 Taigo laboratory results, when sending your "Municipal Water Licence Annual Report" to the Northwest Territories Water Board.

Report attached from last year.

Table 4: Sampling station and sampling period

Sampling station	After break-up	Prior to freeze-up

Inuvik Office: P.O Box 2531, Inuvik, NT X0E 0T0 • Phone: (867) 678-2942 • Fax: (867) 678-2943

Yellowknife Office: P.O. Box 1326, Yellowknife, NT X1A 2N9 • Phone (867) 765-0106 • Fax: (867) 765-0114

www.nwtwb.com

info@nwtwb.com



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

Taiga Batch No.:
110735

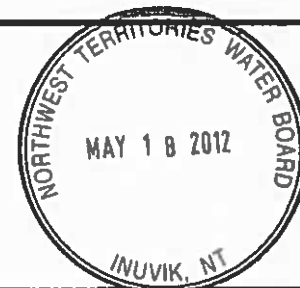
- FINAL REPORT -

Prepared For: Hamlet of Sachs Harbour

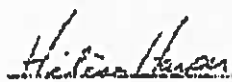
Address: P.O. Box 90
Sachs Harbour, NT
XOE 0Z0

Attn: Adella R. Carpenter

Facsimile: (867) 690-4802



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: Friday, October 14, 2011
Print Date: Friday, October 14, 2011

Page 1 of 4



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

Taiga Batch No.:
 110735

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 1531-2

Taiga Sample ID: 001

Client Project:

Sample Type: Sewage

Received Date: 29-Sep-11

Sampling Date: 27-Sep-11

Sampling Time:

Location:

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Physicals</u>						
pH	8.26		pH units	30-Sep-11	SM4500-H:B	
Solids, Total Suspended	6	3	mg/L	03-Oct-11	SM2540:D	
<u>Inorganics - Nutrients</u>						
Biochemical Oxygen Demand	5	2	mg/L	29-Sep-11	SM5210:B	
CBOD	3	2	mg/L	29-Sep-11	SM5210:B	
<u>Microbiology</u>						
Coliforms, Fecal			CFU/100mL		SM9222:D	105
<u>Organics</u>						
Hexane Extractable Material	<2.0	2.0	mg/L	13-Oct-11	EPA1664A	

ReportDate: Friday, October 14, 2011

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

Taiga Batch No.:
 110735

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 1531-3

Taiga Sample ID: 002

Client Project:
Sample Type: Wastewater
Received Date: 29-Sep-11
Sampling Date: 27-Sep-11
Sampling Time:

Location:

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Physicals</u>						
pH	7.94		pH units	30-Sep-11	SM4500-H:B	
Solids, Total Dissolved	4360	10	mg/L	03-Oct-11	SM2540:C	
<u>Trace Metals, Total</u>						
Cadmium	< 0.1	0.1	µg/L	12-Oct-11	EPA200.8	
Chromium	1.4	0.1	µg/L	12-Oct-11	EPA200.8	
Cobalt	2.1	0.1	µg/L	12-Oct-11	EPA200.8	
Copper	5.6	0.2	µg/L	12-Oct-11	EPA200.8	
Iron	1610	5	µg/L	12-Oct-11	EPA200.8	
Lead	1.2	0.1	µg/L	12-Oct-11	EPA200.8	
Manganese	506	0.1	µg/L	12-Oct-11	EPA200.8	
Mercury	0.01	0.01	µg/L	12-Oct-11	EPA200.8	
Nickel	12.0	0.1	µg/L	12-Oct-11	EPA200.8	
Zinc	23	5	µg/L	12-Oct-11	EPA200.8	

Report Date: Friday, October 14, 2011
Print Date: Friday, October 14, 2011



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

Taiga Batch No.:
110735

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 1531-3

Taiga Sample ID: 002

- DATA QUALIFIERS -

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: Friday, October 14, 2011

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UNITS	Calc MDL	Sample Result Qual	Analysis Result Qual	Analysis Date	Prep Method
mg/L	2			29-Sep-11	None
mg/L	2			29-Sep-11	None
pH units				30-Sep-11	None
mg/L	3			03-Oct-11	None
CFU/100mL		105			None
mg/L	2.0			13-Oct-11	None
pH units				30-Sep-11	None
mg/L	10			03-Oct-11	None
µg/L	0.1			12-Oct-11	Acid Digest
µg/L	0.1			12-Oct-11	Acid Digest
µg/L	0.1			12-Oct-11	Acid Digest
µg/L	0.2			12-Oct-11	Acid Digest
µg/L	5			12-Oct-11	Acid Digest
µg/L	0.1			12-Oct-11	Acid Digest
µg/L	0.1			12-Oct-11	Acid Digest
µg/L	0.01			12-Oct-11	Acid Digest
µg/L	0.1			12-Oct-11	Acid Digest
µg/L	5			12-Oct-11	Acid Digest

Sample Received Date	Test Group Name	Lab Section	Parameter Name	Result Flag	Reported Result
29-Sep-11	Oxygen	Nutrients	Oxygen		5
29-Sep-11	Biochemical	Nutrients	CBOD		3
29-Sep-11	pH	Physicals	pH		8.26
29-Sep-11	Suspended	Physicals	Suspended		6
29-Sep-11	Fecal Coliform	Microbiology	Coliforms, Fecal		
29-Sep-11	Extractable	Organics	Extractable	<	2.0
29-Sep-11	pH	Physicals	pH		7.94
29-Sep-11	Dissolved	Physicals	Dissolved		4360
29-Sep-11	Total	Total	Cadmium	<	0.1
29-Sep-11	Total	Total	Chromium		1.4
29-Sep-11	Total	Total	Cobalt		2.1
29-Sep-11	Total	Total	Copper		5.6
29-Sep-11	Total	Total	Iron		1610
29-Sep-11	Total	Total	Lead		1.2
29-Sep-11	Total	Total	Manganese		506
29-Sep-11	Total	Total	Mercury		0.01
29-Sep-11	Total	Total	Nickel		12.0
29-Sep-11	Total	Total	Zinc		23

Adella Carpenter

From: Helene Harper [Helene.Harper@aandc-aadnc.gc.ca]
Sent: Friday, October 14, 2011 4:14 PM
To: hamlet_finance@airware.ca
Subject: Emailing: 110735 - 1112 - FINAL REPORT, 110735 - 1112 - FINAL REPORT
Attachments: 110735 - 1112 - FINAL REPORT.pdf; 110735 - 1112 - FINAL REPORT.xls

Hello Adella,

Here is the final report for batch 110735. The invoice will be available next week.

Have a nice weekend.

Helene

The message is ready to be sent with the following file or link attachments:

110735 - 1112 - FINAL REPORT
110735 - 1112 - FINAL REPORT

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

Helene Harper
Manager, Taiga Environmental Laboratory
Aboriginal Affairs and Northern Development Canada
P.O. Box 1500
4601 - 52nd Avenue
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