

**Municipal Water License Annual Report**  
**Hamlet of Aklavik**  
**License #: N3L3-0570**  
**Reporting year: 2019**  
**Expires: 2019**

*The Licensee shall file an Annual Report with the Board not later than March 31<sup>st</sup> of the year following the calendar year reported which shall contain the following information:*

**1. Water Usage**

**Licensed Water Volume Withdrawal: 34,121,369 L**

Total volume withdrawn for reporting year: 34,121,369 L

**Table 1 – Monthly & Annual withdrawal volumes pumped (SNP )**

Month	Volume from main source (L)	Volume from any other source (m <sup>3</sup> )	TOTAL Volume (L)
January	2,957,725		
February	2,558,974		
March	2,708,635		
April	2,906,862		
May	2,959,804		
June	2,911,203		
July	2,767,218		
August	2,667,034		
September	2,795,829		
October	3,005,048		
November	2,910,504		
December	2,972,533		
<b>TOTALS</b>	<b>34,121,369</b>		
<b>% Increase/decrease from previous year</b>	<b>+8%</b>		

Reasons for increase / decrease:

Reasons for exceeding licensed withdrawal volumes (if applicable):

General information:

Information regarding any modifications to the water withdrawal procedure or facilities should be included here. If necessary please attach any relevant reports to the end of this document.

## 2. Solid Waste Disposal

Approximate total yearly volume of solid waste deposited: 3,364.2 m<sup>3</sup>

Table 2 – Monthly solid waste disposal volumes at Solid Waste Facility (Landfill)

Month	Volume of solid waste deposited (m <sup>3</sup> )
January	280.35
February	280.35
March	280.35
April	280.35
May	280.35
June	280.35
July	280.35
August	280.35
September	280.35
October	280.35
November	280.35
December	280.35
TOTALS	3364.2
% Increase/decrease from previous year	0

GNWT – MACA has provided a standard formula for estimating the amount of solid waste deposited into a Solid Waste Facility in the absence of a metered Garbage Truck. The following can be used: **Volume per person per day X number of days X population**

e.g.  $0.015 \text{ m}^3 \times 30 \text{ days} \times 122 \text{ people} = 55 \text{ m}^3$  of domestic trash deposited into Solid Waste Facility in a 30 day month

Reasons for increase / decrease: (e.g. an industrial project close to the **NAME OF COMMUNITY**, or a large influx of people into town)

General information: In 2014 the Hamlet staff along with our local contractor started to cover the solid waste site with the river bank silt. This practice has continued once a year since then and for the summer of 2020 we plan to do approximately \$600,000.00 worth of work, developing new cells as well as covering existing cell. Once complete we are anticipating we will have at least another 20 years of life out of this site.

### 3. Sewage Deposited to Sewage Lagoon

Table 3 – Monthly sewage waste volumes deposited at Sewage Treatment Facility (Lagoon) (SNP )

Month	Volume of sewage waste deposited (m <sup>3</sup> )		
	Pumper Truck	Utilidor	TOTAL
January	2,957,725		
February	2,558,974		
March	2,708,635		
April	2,906,862		
May	2,959,804		
June	2,911,203		
July	2,767,218		
August	2,667,034		
September	2,795,829		
October	3,005,048		
November	2,910,504		
December	2,972,533		
TOTALS	34,121,369		
Is this an estimated volume?		YES	NO
% Increase/decrease from previous year	+8%		

To calculate monthly sewage waste deposited to the Primary Lagoon, please provide the above information if metered information is available. If metered information is not available, please fill in the table using the corresponding TOTAL water volumes from Table 1. This provides estimation only and equals water in/sewage out.

Reasons for increase / decrease: (eg.: an industrial project close to the **NAME OF COMMUNITY**, or a large influx of people into town)

No sludge has been removed as natural outflow occurs with sludge build up.

No decanting as is a continuous out flow.

Copies of ENR inspections are attached for site 0570-3

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

Over the course of the year we have built up the gravel around the sewage chute and made it easier for the truck to line up and dispose of the sewage without worry of spills as indicated in Inspections

**5. Surveillance Network Program Data**

Surveillance Network Program (SNP) information is to be submitted in a tabular format and shall indicate date of testing, parameters tested for and any other information requested by the ENR Water Licence Inspector or the IWB. [This section can be completed separately on an Excel worksheet].

**Table 5a - SNP Station Number 0570-3 : SNP Station Description as per Hamlet of Aklavik**

Parameters Water Licence	Max. Average Concentration	Sample	Sample	Sample	Sample	Sample	Sample	Sample
Sample Date								
BOD <sub>5</sub>	mg/L							
Total Suspended Solids	mg/L							
pH								
Fecal Coliforms	CFU/100ml							
Oil & Grease	mg/L							

Effluent at SNP Station Number \_\_\_\_\_ shall be inspected monthly during period of flow for the presence of oil sheen. If sheen detected, a sample shall be collected and analyzed for the presence of oil and grease.

**Table 5b – SNP Station Number 0570-3 : SNP Station Description Hamlet of Aklavik**

Parameters examples (verify which ones are enumerated in your water licence and provide)	Results: Please provide dates of results							
Date:								
pH								
Total Mercury								
Total Cadmium								
Total Chromium								
Total Colbalt								
Total Copper								
Total Iron								
Total Lead								
Total Manganese								
Total Nickel								
Total Zinc								
Total Suspended Solids								

Effluent at SNP Station Number \_\_\_\_\_ shall be inspected monthly during period of flow for the presence of oil sheen. If sheen detected, a sample shall be collected and analyzed for the presence of oil and grease.

**6. SNP Sample Locations**

Map Attached.

**7. Unauthorized discharges**

No unauthorized discharges where made and inspection reports included.

**8. Spill Training and Communications Exercises**

No training has been done.

**9. Abandonment and restoration**

N/A

**10. Studies requested by the Board**

N?A

**11. Updates or revisions to approved plans**

Details on any changes to approved plans such as the O&M Plan, the Closure and Reclamation Plan, the Spill Contingency Plan, or any other that is specific to this Municipal Water Licence. Please attach documents as appendices to this report.

**12. Other Information**

- Include any other information here that may be valuable to the IWB or to ENR.
- Include details on upcoming studies that will be completed.
- Please include any non-compliance items identified in the ENR Water Licence Inspection report and detail how the **NAME OF COMMUNITY** is addressing them.
- If there is any contaminated soil piles currently in use (land farming), please list the details of containment, remediation and progress in this section.
- Please identify any on-going compliance issues for the **NAME OF COMMUNITY**
- This can facilitate discussions to resolve the issues.