

Municipal Water Licence Annual Report

Community Government of Wekweeti

Licence #: W2007L3-0001

Reporting year:

Expires: September 27, 2017

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

1. Water Usage

Licensed Water Volume Withdrawal: 10,000 m³

Total volume withdrawn for reporting year: _____ m³

Table 1 – Monthly & Annual withdrawal volumes pumped (SNP 001-1)

Month	Volume from main source (m ³)	Volume from any other source (m ³)	TOTAL Volume (m ³)
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			
TOTALS			
% Increase/decrease from previous year			

Reasons for increase / decrease:

Reasons for exceeding licenced 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: _____ m³

Table 2 – Monthly solid waste disposal volumes

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

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 m³ X 30 days X 860 people = 387 m³** 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 Town of Wekweeti, or a large influx of people into town)

General information:

Information regarding any agreements with outside organizations to be a waste receiving facility should be outlined here along with an estimate of the amount and type of waste to be received.

3. Sewage Deposited to Primary Sewage Cells

Table 3 – Monthly sewage waste volumes deposited (SNP 001-2)

Month	Volume of sewage waste deposited (m ³)		
	Pumper Truck	Utilidor	TOTAL
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			
TOTALS			
Is this an estimated volume?	YES	NO	
% Increase/decrease from previous year			

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 Town of Wekweeti, or a large influx of people into town)

Has any sludge been removed from the primary sewage cells or from Snare Lake during this reporting year? If so, what volume of sludge was removed? What testing was completed on the sludge and where it was disposed of? Please provide documentation for testing and INAC Water Licence Inspector approval of placement.

Was there any decanting at Snare Lake this reporting year? Please provide dates. What was the decant duration and the approximate volume decanted? As this is a Surveillance Network Program (SNP) site, the resulting testing is to be presented as part of the tabular SNP data to be provided as per the Water Licence [Part B(1)(d)].

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

Include any work done to infrastructure for 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. If required please attach any as-built drawings or reports as an appendices to this report.

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 INAC Water Licence Inspector or the WLWB. [This section can be completed separately on an Excel worksheet].

Table 5a - Station Number 001-2: Sewage effluent at the outflow of the sewage lagoon to the wetland

Parameters	Max. Average Concentration	Sample	Sample	Sample	Sample	Sample	Sample	Sample
Sample Date								
Suspended Solids	240 mg/L							
Oil & Grease	5 mg/L							
BOD ₅	260 mg/L							
Fecal Coliforms	<10 ⁶ CFU/100ml							
pH	6-9							
Total Mercury								
Ammonia - Nitrogen								

Effluent at Station Number 001-2 shall be sampled every month during open water.

Table 5b – Station Number 001-3: Snare Lake at outflow of the wetland

Parameters	Max. Average Concentration	Sample	Sample	Sample	Sample	Sample	Sample	Sample
Sample Date								
Suspended Solids	25 mg/L							
Oil & Grease	5 mg/L							
BOD ₅	25 mg/L							
Fecal Coliforms	<10 ⁶ CFU/100ml							
pH	6-9							
Total Mercury								
Ammonia - Nitrogen								

Effluent at Station Number 001-2 shall be sampled every month during open water.

Table 5c – Station Number 001-4: Runoff from domestic solid waste disposal site

Parameters	Results: Please provide dates of results				
Date:					
pH					
Total Mercury					
Total Metals:					
Total Arsenic					
Total Aluminum					
Total Barium					
Total Boron					
Total Cadmium					
Total Chromium					
Total Copper					
Total Iron					
Total Lead					
Total Manganese					
Total Molybdenum					
Total Nickel					
Total Selenium					
Total Strontium					
Total Uranium					
Total Zinc					
Suspended Solids					

Station Number 001-4 shall be sampled monthly during periods of flow and analyzed for the above parameters

6. SNP Sample Locations

Map Attached.

7. Unauthorized discharges

List any unauthorized discharges here including any spills, how and when they were reported, and how they were cleaned up. Please attach copies of spill reports, correspondence with the INAC Water Licence Inspector or any other pertinent documentation as an appendices to this report.

8. Spill Training and Communications Exercises

List any spill training and communications exercises that have been carried out including courses on spills prevention, waste management, SNP sampling, etc.

9. Abandonment and restoration

Include any abandonment and restoration details here including any work anticipated to be completed during the next year. If required please attach any as-built drawings or reports as an appendices to this report.

10. Studies requested by the Board

If the Board has requested that specific studies be completed, include details of the plan in this section with a summary of the outcome. Include any attachments with the submission of the Annual Report.

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 WLWB or to INAC.
- Include details on upcoming studies that will be completed.
- Please include any non-compliance items identified in the INAC Water Licence Inspection report and detail how the Town of Wekweeti 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 Town Wekweeti. This can facilitate discussions to resolve the issues.