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WATER
BOARD



Hamlet of Paulatuk

Water Licence Number: N7L3-1619

Municipal Water Licence

Annual Report for the Year 2021

Date Prepared: May 10, 2022

Municipal Water Licence Annual Report

Hamlet of Paulatuk
Licence # N7L3-1619
Reporting year 2021

1. Water Usage

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

Month	Volume from Source (m ³ or L)	Volume from any other Source (m ³ or L)
January	867,047 L	
February	793,500 L	
March	921,565 L	
April	840,106 L	
May	853,397 L	
June	845,708 L	
July	883,537 L	
August	897,933 L	
September	972,959 L	
October	925,449 L	
November	906,190 L	
December	919,269 L	
TOTALS		
ANNUAL TOTAL (m³ or L)	10,626,662 L	
% Increase or decrease from previous year	- 9.46%	

Reasons for increase / decrease (if applicable):

Housing did not do tank cleaning in the summer due to Covid 19. Reduction may also be due to conservation (low flow showerheads, low volume toilets, HE washing machines)

Reasons for exceeding licensed withdrawal volumes (if applicable):

General information:

Sewage totals were adjusted in previous years by 8.7% up. I don't know where those numbers were developed but the same increase in sewage volume is reported next

2. Sewage Disposal

Table 2: Monthly and annual quantities of sewage discharged to the sewage disposal facilities

Month	Volume of sewage discharged (m ³ or L)
January	942,480 L
February	862,535 L
March	1,001,741 L
April	913,195 L
May	927,643 L
June	919,285 L
July	960,405 L
August	976,053 L
September	1,057,606 L
October	1,005,963 L
November	985,029 L
December	999,245 L
ANNUAL TOTAL (m³ or L)	11,551,179 L
% Increase or decrease from previous year	-8.78

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 ³ or L)	Type of hazardous waste transported off site (Volume in m ³ or L)
January	0	0
February	0	0
March	0	0
April	0	0
May	0	0
June	0	0
July	0	0
August	0	0
September	0	0
October	0	0
November	0	0
December	0	0
ANNUAL TOTAL (m³ or L)	0	0
% Increase or decrease from previous year		

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

Please include treatment or disposal plans for the remaining quantities:

The Hamlet will be taking part in the Inuvik Regional Community Landfill Waste Diversion and Solid Waste Site Improvements Project that is being organized by MACA and funded through Infrastructure Canada's Investing in Canada Infrastructure Plan with clean-up work planned to start in the summer of 2021. This project was delayed due to Covid 19. It is planned to start in the summer of 2022

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

No changes

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 ³ or L)	Disposal location
January	0	
February	0	
March	0	
April	0	
May	0	
June	0	
July	0	
August	0	
September	0	
October	0	
November	0	
December	0	
ANNUAL TOTAL (m³ or L)	0	
% Increase or decrease from previous year		

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.

Work continued on berm construction around the Sewage Lagoon. Design previously submitted by Dillon Consulting

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
1619-2		
1619-3		
1619-4		
1619-5		
1619-6		

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. Adjustments to site may be done after ICIP cleanup project.

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.

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*

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.

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.

14. Correspondence between the Inspector and the Licensee

Include all correspondence between the Inspector and the Licensee with your annual report.

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.