



ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

LION'S HEAD
DRINKING WATER SYSTEM

Large Municipal Residential

SCHEDULE 22
SUMMARY REPORT

For the period of
JANUARY 1, 2021 TO DECEMBER 31, 2021

Overview

This report is a summary of water quality and quantity information submitted in accordance with Schedule 22 of Ontario's Drinking Water System Regulation for the reporting period of January 1, 2021 to December 31, 2021 for the Lion's Head Drinking Water System located in the Municipality of Northern Bruce Peninsula. The summary includes the following information:

- Any requirements of the Act and Regulation, Orders or System Approval(s) that the system failed to meet during the reporting period and the measures taken to correct each failure.
- A summary of the quantities and flow rates of water supplied during the reporting period, including monthly averages and maximum daily flows.
- A comparison of the average and monthly maximum daily flows to the approved capacity specified in the System Approval.

Issues of Non-Compliance

An MECP Drinking Water System Inspection was performed on December 22, 2021. As of the date this report was finalized the inspection report had not been issued and a final inspection rating had not yet been received.

The following is a summary of the requirements of the Act, the regulations, the system's approval, drinking water works permit, municipal drinking water license, and any orders applicable to the system that were not met at any time during the period covered by the report; as well as the duration of the failure and the measures that were taken to correct the failure:

- To date, there were no non-compliances during the reporting period.

Refer to the Section 11 Annual Report for a summary of any Adverse Water Quality Incident(s) which occurred during the reporting period.

Assessment of Flowrates and Quantity of Water Supplied

The following tables summarize the quantities (Table 1) and flow rates (Table 2) of the water supplied during the period covered by the report, including monthly average and maximum daily flows as well as a comparison of the summary to the rated capacity and flow rates approved in the system's approval, drinking water works permit or municipal drinking water license.

As per Municipal Drinking Water License (MDWL) 250-101 (Issue Number: 4, expires December 19, 2025), the maximum daily volume of treated water that flows from the treatment subsystem to the distribution system shall not exceed a rated capacity of 1,351 m³/day. There is no maximum allowable limit listed in the MDWL for the flowrate of water that flows into a treatment subsystem, however, raw water flowrate has been included in this report (Table 3).

Table 1. Treated Water Monthly Average and Maximum Daily Flows and Comparison to Rated Capacity for 2021

2021	Treated Water Flow			
	Average Flow (m ³ /day)	Percent of Rated Capacity (%)	Maximum Flow (m ³ /day)	Percent of Rated Capacity (%)
January	381.5	28.2%	397.6	29.4%
February	411.0	30.4%	457.4	33.9%
March	406.8	30.1%	443.2	32.8%
April	425.7	31.5%	557.0	41.2%
May	469.3	34.7%	516.9	38.3%
June	525.3	38.9%	579.8	42.9%
July	552.5	40.9%	598.0	44.3%
August	566.8	42.0%	610.0	45.2%
September	571.8	42.3%	627.0	46.4%
October	479.8	35.5%	507.3	37.5%
November	486.6	36.0%	822.8	60.9%
December	495.8	36.7%	535.0	39.6%

Table 2. Treated Water Monthly Average and Maximum Flowrates for 2021

2021	Treated Water	
	Average Flowrate (l/s)	Maximum Flowrate (l/s)
January	4.54	16.70
February	4.90	17.68
March	4.85	18.17
April	5.07	41.14
May	5.59	35.37
June	6.26	35.64
July	6.39	36.59
August	6.56	35.83
September	6.62	20.89
October	5.72	18.06
November	5.79	52.40
December	5.74	41.63

Table 3. Raw Water Monthly Average and Maximum Flowrates for 2021

2021	Raw Water	
	Average Flowrate (l/s)	Maximum Flowrate (l/s)
January	4.92	20.97
February	5.30	20.93
March	5.18	20.85
April	5.37	20.99
May	6.01	21.08
June	6.76	21.27
July	6.93	21.42
August	7.15	21.48
September	7.18	21.36
October	6.22	21.15
November	6.28	21.06
December	6.14	21.00