



**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, 2020 TO DECEMBER 31, 2020**

## 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, 2020 to December 31, 2020 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 February 7, 2020. The inspection report was received on March 30, 2020 and final inspection rating was 100.00%.

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: 3) and the newly issued MDWL 250-101 (Issue Number: 4, expires December 19, 2025) which revoked Issue 3, 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 m<sup>3</sup>/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 2020**

2020	Treated Water Flow			
	Average Flow (m <sup>3</sup> /day)	Percent of Rated Capacity (%)	Maximum Flow (m <sup>3</sup> /day)	Percent of Rated Capacity (%)
January	379	28.1%	408	30.2%
February	375	27.8%	410	30.3%
March	384	28.4%	412	30.5%
April	382	28.3%	406	30.1%
May	391	28.9%	431	31.9%
June	451	33.4%	534	39.5%
July	507	37.5%	584	43.2%
August	500	37.0%	535	39.6%
September	468	34.6%	519	38.4%
October	416	30.8%	485	35.9%
November	392	29.0%	411	30.4%
December	385	28.5%	399	29.5%

**Table 2. Treated Water Monthly Average and Maximum Flowrates for 2020**

2020	Treated Water	
	Average Flowrate (l/s)	Maximum Flowrate (l/s)
January	4.5	28.4
February	4.5	32.7
March	4.6	37.7
April	4.5	30.6
May	4.7	32.2
June	5.4	37.2
July	6.0	47.6
August	5.9	18.8
September	5.6	42.7
October	5.0	43.8
November	4.7	18.5
December	4.6	21.0

**Table 3. Raw Water Monthly Average and Maximum Flowrates for 2020**

2020	Raw Water	
	Average Flowrate (l/s)	Maximum Flowrate (l/s)
January	4.7	21.3
February	4.7	21.3
March	4.9	21.2
April	4.8	9.7
May	4.9	11.7
June	5.7	21.5
July	6.6	21.7
August	6.5	21.6
September	6.1	21.7
October	5.3	21.4
November	4.9	11.4
December	4.9	19.9