

**THE TOWN OF RAINY RIVER
MUNICIPAL WATER SYSTEM
SUMMARY REPORT
O. Reg. 170/03, Schedule 22**

For The Period:

January 1, 2024, to December 31, 2024

Received by Municipal Office February 26, 2025

Prepared For:

**Ms. Shara Lavallee
Chief Administrative Officer
The Town of Rainy River
Box 488
201 Atwood Ave.
Rainy River, Ontario
POW 1LO
Tel. (807) 852-3244**

Prepared February 26, 2025, By:

**Leroy Hancharyk
Overall Responsible Operator
Rainy River Water Treatment Plant
Rainy River, Ontario
POW 1LO
Tel. (807) 852-4485**

**Summary Report
Rainy River Water System 2024**

Drinking Water Works Permit # 296-201 – Dated January 10, 2021

Municipal Drinking Water Licence # 296-201 – Dated January 10, 2021

Permit to Take Water # 8271-BJJJBC – Dated December 4, 2019

**Rate of taking shall not exceed a maximum of 1,715 litres per
minute and 2,473,024 litres per day.**

Permit is valid until December 4, 2029

All sampling and analysis requirements have been met for the year 2024 in accordance with Reg. 170/03.

Microbiological

Reg. 169/03
Amended to O. Reg. 17/04

Volatile Organics

Reg. 169/03
Amended to O. Reg. 17/04

Inorganics

Reg. 169/03
Amended to O. Reg. 17/04

Pesticides and PCB

Reg. 169/03
Amended to O. Reg. 17/04

Reporting, Notification and Corrective Action

	NON-COMPLIANCE WITH REGULATORY REQUIREMENTS	ACTIONS REQUIRED	ACTIONS TAKEN
1.			
2.			
3.			

Capacity Assessment

The maximum rated capacity of the Plant is 28.6 L/S. In 2024, the maximum flow of water through the Water Treatment Plant was 23.1 L/S (i.e., 2,204 m³ per day) or 16.84% under the rated capacity.

In 2024 the annual average daily flow was 6.86 L/S (i.e., 554 m³ per day) or 24% of the capacity of the Plant.

Month	Flows	Highest Instantaneous Peak Flow	Average Daily Instantaneous Peak Flow	Percent of the Rated Capacity 28.6 L/S
January	12,057 m ³	7.21 L/S	6.06 L/S	28% of rated capacity
February	10,555 m ³	7.01 L/S	5.76 L/S	27% of rated capacity
March	11,243 m ³	18.97 L/S	6.34 L/S	68% of rated capacity
April	10,459 m ³	7.76 L/S	5.83 L/S	27% of rated capacity
May	11,799 m ³	11.05 L/S	6.11 L/S	39% of rated capacity
June	11,304 m ³	10.66 L/S	6.69 L/S	38% of rated capacity
July	13,875 m ³	18.50 L/S	9.66 L/S	68% of rated capacity
August	12,218 m ³	15.70 L/S	9.41 L/S	56% of rated capacity
September	10,347 m ³	18.36 L/S	7.44 L/S	66% of rated capacity
October	10,117 m ³	23.1 L/S	6.48 L/S	83% of rated capacity
November	10,992 m ³	14.68 L/S	6.35 L/S	52% of rated capacity
December	11,652 m ³	11.89 L/S	6.20 L/S	42% of rated capacity
Total Flows	136,618 m ³		<u>Yearly Average Instantaneous Peak Flow</u>	
Average Monthly Flow	11,384 m ³		6.86 L/S or 24% of rated capacity	49.0% of the rated capacity

The total flow for 2024 was 136,618 m³. The average monthly flow for 2024 was 11,384 m³. The average daily instantaneous peak flow rate was 6.86 L/S which is 24% of the plant's rated capacity.

The highest daily instantaneous peak flow rate was 23.1 L/S (hydrant flushing). This instantaneous flow was 16.84% under the rated capacity of the plant.

Sodium results tested January 19, 2021	26.0 ug/L
--	-----------

Fluoride results tested February 19, 2021	< 0.020 ug/L
---	--------------

October 2024 running average for THM's was	81.7 ug/L
--	-----------