

**2024
SCHEDULE 22
SUMMARY
REPORT**

**WASAGA BEACH
DRINKING WATER SYSTEM**

For the period of
January 1st, 2024 to December 31st, 2024

Prepared for the Town of Wasaga Beach by the Ontario Clean Water Agency



This report was prepared in accordance with the requirements of [O.Reg 170/03, Schedule 22, Summary Reports for Municipalities](#) for the following system and reporting period:

Drinking-Water System Number:	220002137
Drinking-Water System Name:	Wasaga Beach Drinking Water System
Drinking-Water System Owner:	The Corporation of the Town of Wasaga Beach
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	January 1, 2024 – December 31, 2024

1. Issue(s) of Non-Compliance

A Ministry of Environment, Conservation and Parks (MECP) Drinking Water System Inspection was conducted on January 28, 2025 for the period covering January 10, 2024 to January 28, 2025. At the time of this summary report, the MECP inspection report and Inspection Summary Rating Record (IRR) are still pending.

The following is a summary of non-compliances noted in the MECP Inspection Report, as well as the duration and the measures that were taken to correct the non-compliance. If any self-reported non-compliances were included in the inspection report, they will be noted in Table 1.

Table 1. Non-Compliances and Corrective Actions noted in the 2024 MECP Inspection Report

Non-Compliance(s)	Duration	Required Actions & Corrective Actions
N/A	N/A	N/A

The following table (Table 2) is a summary of any incidents that the Operating Authority interpreted as instances where any requirements of the Act, the regulations, the system’s approval, drinking water works permit (DWWP), municipal drinking water licence (MDWL), and any orders applicable were not met. The Operating Authority reported the following incidents to the MECP and confirmation of whether the incidents are considered non-compliances are noted in the MECP Inspection Report and included in Table 1.

Table 2. Self-Reported Incidents and Corrective Actions for the Reporting Period

Incident	Duration	Corrective Actions
Non-compliance with PTTW #8041-BFHJV2, Section 4.2- monitoring conditions were not met. Upon monthly datalogger download review in June, 2024 it was observed that continuous monitoring data for monitoring well OW 72-5 was not recording from May 7 to May 11, 2024 was lost due	May 7 at 2300 hrs to May 11 at 0700 hrs Total duration: 80 hours	<ul style="list-style-type: none"> On June 11, 2024, the datalogger was rebooted and communications to the probe was restored. Operations staff were provided training on the datalogger software on October 3, 2024. Verbal and written notification of non-compliance reported to the MECP on June 11 and 25, 2024 respectively.

<p>to battery life timer not being reset during April download.</p>		<ul style="list-style-type: none"> • No further actions were required.
<p>Non-compliance with PTTW #8041-BFHJV2, Section 4.2- monitoring conditions were not met.</p> <p>Upon monthly datalogger download review in July, 2024 it was observed that continuous monitoring data for monitoring well OW 72-5 was intermittently recording between June 7 and June 25, 2024 due to a probe failure.</p>	<p>July 9 to November 28, 2024</p>	<ul style="list-style-type: none"> • OCWA verified that the water level was dropping below the level of the pressure transducer causing probe failure. • A replacement probe was ordered and manual water level measurements were taken while awaiting installation of the new probe. • New probe was received and installed November 28, 2024. • Verbal and written notification of non-compliance reported to the MECP on July 10 and 12, 2024 respectively. • Follow-up notification of probe installation was provided to the Ministry December 13, 2024. No further actions were required.
<p>Non-compliance with PTTW #8041-BFHJV2, Section 4.2- monitoring conditions were not met.</p> <p>Upon monthly datalogger download review in January, 2025 it was observed that continuous monitoring data for monitoring well OW 72-5 had stopped recording on December 13, 2024 due to a dead battery in the datalogger.</p>	<p>December 13, 2024 at 1300 hrs to December 20, 2024 at 1335 hrs.</p>	<ul style="list-style-type: none"> • Manual water level measurements were taken. • On December 20, 2024 the datalogger was removed and the battery was replaced. • OCWA confirmed that data collection has resumed as of December 20, 2024 at 1335 hrs. • Verbal and written notification of non-compliance reported to the MECP on January 13, 2025. No further actions were required.

For information on any Adverse Water Quality Incident(s) that may have occurred during the reporting period, please refer to the Wasaga Beach Drinking Water System Annual Report (Section 11).

2. Assessment of Flowrates and Quantity of Water Supplied

The following tables (Table 3 to 10) summarize the quantities and flowrates of water supplied during the reporting period, including monthly averages and maximum daily flows as well as a comparison to the rated capacity and flowrates approved in the system’s approval, DWWP or MDWL.

As required by the MDWL, regulatory flow measuring devices are checked/verified and where necessary calibrated. Annually, to ensure the flow measuring devices are within acceptable deviation limits, a third party performs these checks/verifications/calibrations. The Wasaga Beach DWS flow-measuring devices were last calibrated by Indus Control on June 24, 2024.

2.1 Treated Water

Municipal Drinking Water License (MDWL):	131-101 (Issue Number: 4)
Allowable Rated Capacity Powerline Road Pumphouse:	15,707 m ³ /day
Allowable Rated Capacity Jenetta Street Pumphouse:	15,707 m ³ /day
Allowable Flowrate into Treatment System:	Not listed in MDWL

As per the MDWL, the maximum daily volume of treated water that flows from the treatment subsystem to the distribution system shall not exceed the listed rated capacity. However, the MDWL allows a system to be operated temporarily at a maximum daily volume and/or a maximum flowrate above the values set out in the MDWL for the purposes of fighting a large fire or for the maintenance of the drinking water system.

Table 3. Powerline Pumphouse Treated Water Annual and Monthly Average and Maximum Flows with Comparison to Rated Capacity and Total Volume for 2024

Powerline Pumphouse- Treated Water Flow					
Timeframe	Average Flow (m ³ /day)	Percent of Rated Capacity	Maximum Flow (m ³ /day)	Percent of Rated Capacity	Total Volume (m ³)
January	3,746.03	23.85%	4,487.00	28.57%	116,127.00
February	3,580.03	22.79%	4,400.00	28.01%	103,821.00
March	3,637.16	23.16%	4,247.00	27.04%	112,752.00
April	3,838.30	24.44%	4,911.00	31.27%	115,149.00
May	5,139.32	32.72%	7,495.00	47.72%	159,319.00
June	6,981.17	44.45%	9,717.00	61.86%	209,435.00
July	7,179.39	45.71%	9,330.00	59.40%	222,561.00
August	6,551.45	41.71%	9,363.00	59.61%	203,095.00
September	5,227.60	33.28%	8,328.00	53.02%	156,828.00
October	3,728.61	23.74%	4,606.00	29.32%	115,587.00
November	3,199.15	20.37%	4,101.00	26.11%	95,974.50
December	3,734.26	23.77%	4,750.00	30.24%	115,762.00
2024	4,711.39	30.00%	9,717.00	61.86%	1,726,410.50

A review of flow information for the reporting period indicates that the Powerline Pumphouse operated within the rated capacity specified in the MDWL (15,707 m³/day) for the maximum treated volume of treated water that flows from the treatment subsystem to the distribution system.

Table 4. Jenetta Pumphouse Treated Water Annual and Monthly Average and Maximum Flows with Comparison to Rated Capacity and Total Volume for 2024

Jenetta Pumphouse- Treated Water Flow					
Timeframe	Average Flow (m ³ /day)	Percent of Rated Capacity	Maximum Flow (m ³ /day)	Percent of Rated Capacity	Total Volume (m ³)
January	2,048.94	13.04%	2,613.00	16.64%	63,517.00
February	2,159.17	13.75%	4,686.00	29.83%	62,616.00
March	1,984.94	12.64%	2,342.00	14.91%	61,533.00
April	2,010.87	12.80%	2,499.00	15.91%	60,326.00
May	2,581.29	16.43%	3,574.00	22.75%	80,020.00
June	3,615.20	23.02%	4,728.00	30.10%	108,456.00
July	5,172.26	32.93%	8,604.00	54.78%	160,340.00
August	5,778.19	36.79%	7,631.00	48.58%	179,124.00
September	4,933.27	31.41%	8,878.00	56.52%	147,998.00
October	2,849.65	18.14%	4,001.00	25.47%	88,339.00
November	2,423.93	15.43%	4,195.00	26.71%	72,718.00
December	2,212.32	14.08%	5,277.00	33.60%	68,582.00
2024	4,711.87	20.04%	8,878.00	56.52%	1,153,569.00

Note: Treated water flow data is based on the raw water flow data.

A review of flow information for the reporting period indicates that the Jenetta Pumphouse operated within the rated capacity specified in the MDWL (15,707 m³/day) for the maximum treated volume of treated water that flows from the treatment subsystem to the distribution system.

A summary of flowrates of water that flows into the treatment system can be found in Table 6 and Table 8. The applicable MDWL for the reporting period did not list a maximum allowable limit for the flowrate of water that flows into a treatment subsystem.

2.2 Raw Water

Permit to Take Water Number (PTTW):	8041-BFHJV2
Allowable Maximum Raw Water Volume - Well P-1:	5,235.84 m ³ /day
Allowable Maximum Raw Water Flowrate - Well P-1:	3,636 L/min (60.6 L/sec)
Allowable Maximum Raw Water Volume - Well P-2:	5,235.84 m ³ /day
Allowable Maximum Raw Water Flowrate - Well P-2:	3,636 L/min (60.6 L/sec)
Allowable Maximum Raw Water Volume - Well P-3:	5,235.84 m ³ /day
Allowable Maximum Raw Water Flowrate - Well P-3:	3,636 L/min (60.6 L/sec)
Allowable Maximum Raw Water Volume - Well P-4:	5,235.84 m ³ /day
Allowable Maximum Raw Water Flowrate - Well P-4:	3,636 L/min (60.6 L/sec)
Allowable Maximum Raw Water Volume - Well J-1:	5,235.84 m ³ /day
Allowable Maximum Raw Water Flowrate - Well J-1:	3,636 L/min (60.6 L/sec)
Allowable Maximum Raw Water Volume - Well J-2:	5,235.84 m ³ /day
Allowable Maximum Raw Water Flowrate - Well J-2:	3,636 L/min (60.6 L/sec)
Allowable Maximum Raw Water Volume - Well J-3:	5,235.84 m ³ /day
Allowable Maximum Raw Water Flowrate - Well J-3:	3,636 L/min (60.6 L/sec)

As per the PTTW, water shall only be taken from the specified source(s) and at the rates and amounts taken as specified in the permit. The total daily water taking from the Powerline Road wells (P-1, P-2, P-3, and P-4) shall not exceed 15,707.52 m³/day and the combined maximum daily water taking for all wells shall not exceed 31,415.04 m³/day.

This permit allows the permit holder to record only the total taking from each wellfield. Therefore, Powerline (Combined Wells) is the total taking from Well P-1, P-2, P-3 and P-4 and Jenetta (Combined Wells) is the total taking from Well J-1, J-2 and J-3.

Table 5. Powerline Raw Water (Combined) Monthly Average, Maximum Flow and Total Volume for 2024

Raw Water Flow – Combined (P-2, P-3, P-4)					
Timeframe	Average Flow (m ³ /day)	Percent of Allowable Volume	Maximum Flow (m ³ /day)	Percent of Allowable Volume	Total Volume (m ³)
January	3,733.45	23.77%	4,773.00	30.39%	115,737.00
February	3,576.48	22.77%	4,511.00	28.72%	103,718.00
March	3,642.27	23.19%	4,246.00	27.03%	112,910.36
April	3,813.23	24.28%	5,043.00	32.11%	114,397.00
May	5,137.48	32.71%	8,025.00	51.09%	159,262.00
June	6,947.40	44.23%	9,365.00	59.62%	208,422.00
July	7,172.52	45.66%	10,113.00	64.38%	222,348.00
August	6,515.29	41.48%	8,737.00	55.62%	201,974.00
September	5,222.40	33.25%	8,522.00	54.25%	156,672.00

Raw Water Flow – Combined (P-2, P-3, P-4)					
Timeframe	Average Flow (m³/day)	Percent of Allowable Volume	Maximum Flow (m³/day)	Percent of Allowable Volume	Total Volume (m³)
October	3,679.23	23.42%	4,600.00	29.29%	114,056.00
November	3,169.86	20.18%	4,540.30	28.91%	95,095.70
December	3,691.71	23.50%	4,559.00	29.02%	114,443.00
2024	4,691.78	29.87%	10,113.00	64.38%	1,719,035.06

A review of flow information for the reporting period indicates that the system operated within the PTTW’s maximum allowable daily raw water volume (15,707.52 m³/day) for Well P-1, Well P-2, Well P-3 and Well P-4 as well as the combined takings at the Powerline Well Field. As of 2021, Powerline Well P-1 has been fully decommissioned. Maximum allowable daily raw water volumes as based on wells P-2, P-3 and P-4.

Table 6. Powerline Raw Water (Combined) Annual and Monthly Average and Maximum Flowrates for 2024

Raw Water Flowrate – Combined (P-1, P-2, P-3, P-4)		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	110.12	121.50
February	110.91	122.90
March	110.25	127.80
April	111.79	122.10
May	115.15	129.40
June	120.34	135.30
July	112.28	132.40
August	103.31	145.60
September	81.38	147.30
October	60.21	115.70
November	63.13	119.50
December	107.60	121.60
2024	100.55	147.30

A review of flow information for the reporting period indicates that the system operated within the PTTW’s maximum allowable raw water flowrate for Well P-1, Well P-2, Well P-3 and Well P-4 as well as the combined wells at the Powerline Well Field. The combined maximum allowable raw water flowrate for the Powerline Wells is 181.8 L/s. As of 2021, Powerline Well P-1 has been fully decommissioned. Maximum allowable daily flowrates are based on wells P-2, P-3 and P-4.

Table 7. Jenetta Raw Water (Combined) Monthly Average, Maximum Flow and Total Volume for 2024

Raw Water Flow – Combined (J-1, J-2, J-3)					
Timeframe	Average Flow (m ³ /day)	Percent of Allowable Volume	Maximum Flow (m ³ /day)	Percent of Allowable Volume	Total Volume (m ³)
January	2,048.94	13.04%	2,613.00	16.64%	63,517.00
February	2,159.17	13.75%	4,686.00	29.83%	62,616.00
March	1,984.94	12.64%	2,342.00	14.91%	61,533.00
April	2,010.87	12.80%	2,499.00	15.91%	60,326.00
May	2,581.29	16.43%	3,574.00	22.75%	80,020.00
June	3,615.20	23.02%	4,728.00	30.10%	108,456.00
July	5,172.26	32.93%	8,604.00	54.78%	160,340.00
August	5,778.19	36.79%	7,631.00	48.58%	179,124.00
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November	2,423.93	15.43%	4,195.00	26.71%	72,718.00
December	2,212.32	14.08%	5,277.00	33.60%	68,582.00
2024	4,711.87	20.04%	8,878.00	56.52%	1,153,569.00

A review of flow information for the reporting period indicates that the system operated within the PTTW’s maximum allowable daily raw water volume for Well J-1, Well J-2 and Well J-3 as well as the combined takings at the Jenetta Well Field.

Table 8. Jenetta Raw Water (Combined) Annual and Monthly Average and Maximum Flowrates for 2024

Raw Water Flowrate – Combined (J-1, J-2, J-3)		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	59.91	120.10
February	60.43	120.50
March	58.85	115.80
April	59.09	119.30
May	59.61	120.70
June	58.35	110.70
July	77.65	118.30
August	89.20	116.50
September	79.85	156.20
October	59.67	119.20
November	60.54	118.90
December	61.19	123.90
2024	65.40	156.20

A review of flow information for the reporting period indicates that the system operated within the PTTW’s maximum allowable raw water flowrate for Well J-1, Well J-2 and Well J-3 as well as the combined takings at the Jenetta Well Field. The combined maximum allowable raw water flowrate for the Jenetta Wells is 181.8 L/s.

Table 9. Combined Raw Water (Powerline and Jenetta Wells) Monthly Average, Maximum Flow and Total Volume for 2024

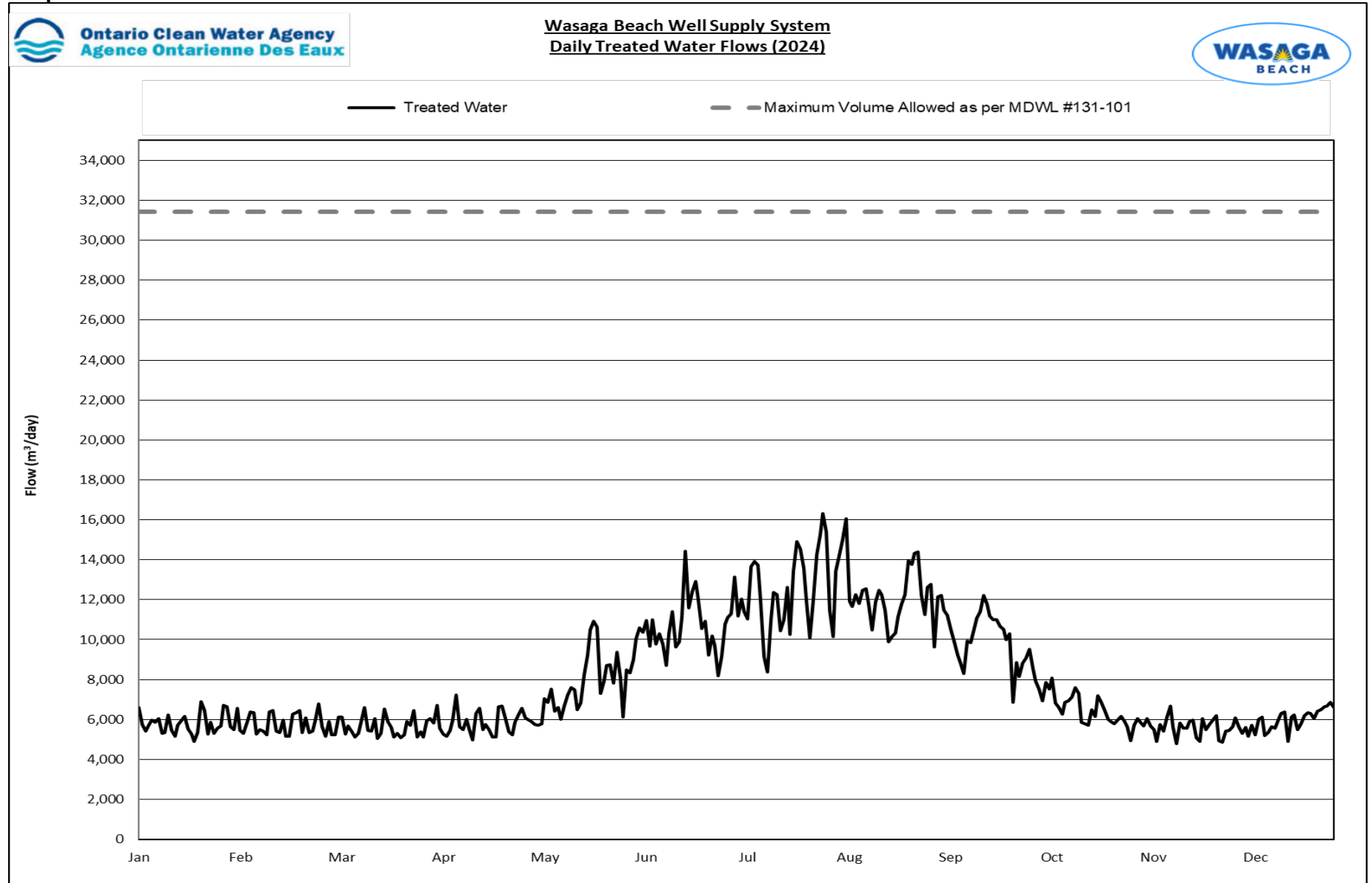
Raw Water Flow – All Wells (P-1, P-2, P-3, P-4, J-1, J-2, J-3)					
Timeframe	Average Flow (m ³ /day)	Percent of Allowable Volume	Maximum Flow (m ³ /day)	Percent of Allowable Volume	Total Volume (m ³)
January	5,782.39	18.41%	7,386.00	23.51%	179,254.00
February	5,735.66	18.26%	6,556.00	20.87%	166,334.00
March	5,627.21	17.91%	6,439.00	20.50%	174,443.36
April	5,824.10	18.54%	7,082.00	22.54%	174,723.00
May	6,135.44	19.53%	11,446.00	36.43%	305,650.00
June	10,562.60	33.62%	14,077.00	44.81%	316,878.00
July	12,344.77	39.30%	16,089.00	51.21%	382,688.00
August	12,293.48	39.13%	16,091.00	51.22%	381,098.00
September	10,155.67	32.33%	12,408.00	39.50%	304,670.00
October	6,528.87	20.78%	8,150.00	25.94%	202,395.00
November	5,593.79	17.81%	6,468.30	20.59%	167,813.70
December	5,904.03	18.79%	6,848.00	21.80%	183,025.00
2024	7,680.76	24.45%	16,091.00	51.22%	2,938,972.06

3. Annual Treated Water Flows and Quantity of Water Supplied

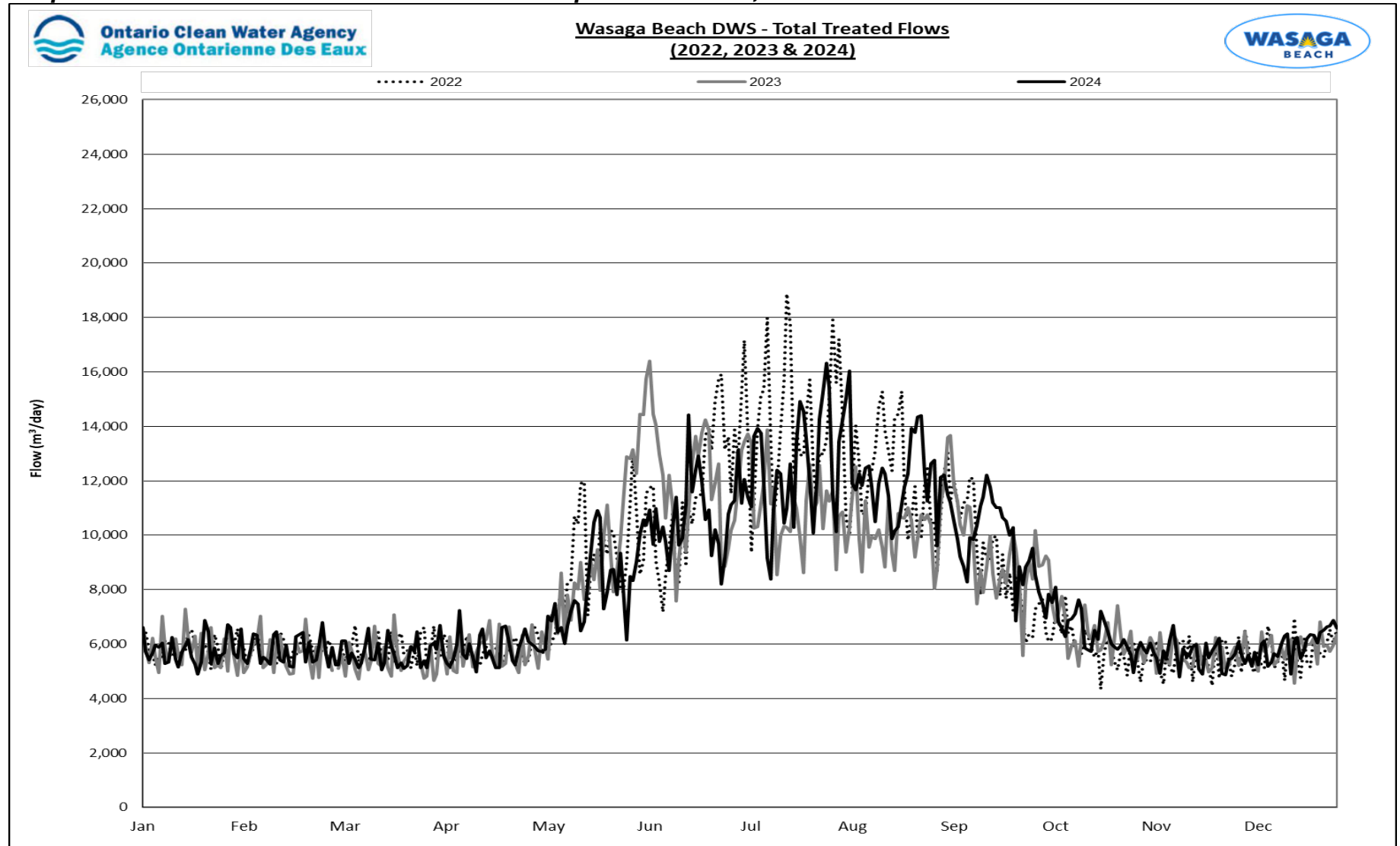
The following graphs (Graph 1 to 4) provide a visual representation of the combined total treated water flow data for the Wasaga Beach Drinking Water System:

- Graph 1 provides the annual total treated water flow data for 2024 compared to MDWL #131-101 maximum allowable volume.
- Graph 2 provides the total annual treated water flows in 2024, compared to 2022 and 2023 (the last three years).
- Graph 3 provides the annual total treated water flows for 2024, compared to 2007, the year in which the water-metering program began in the Town of Wasaga Beach.
- Graph 4 provides a comparison of the annual total treated water flow data (m³) and the average daily, maximum, and treated water flowrates (m³/day) from 2014 to 2024.

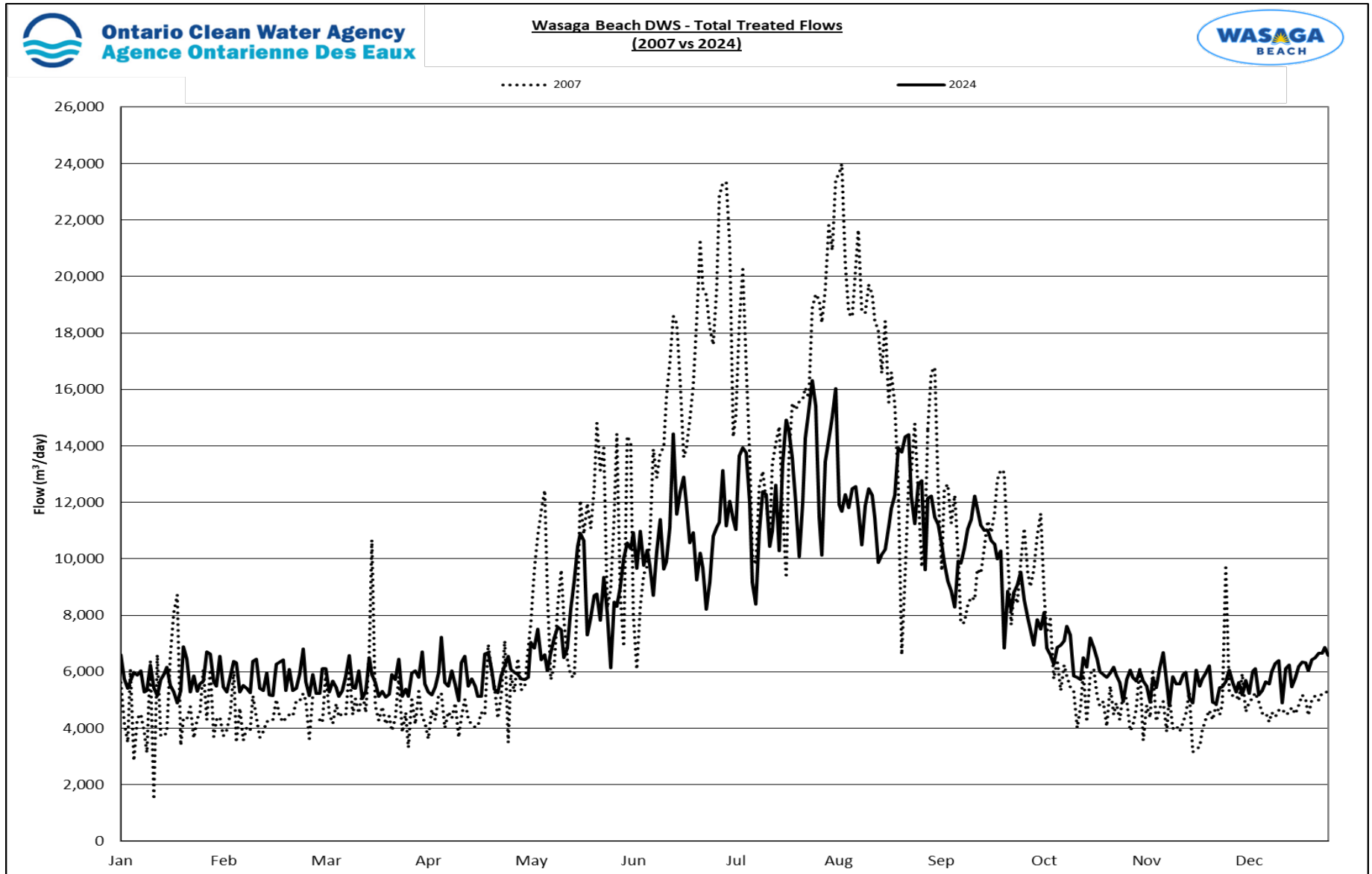
Graph 1. Annual Total Treated Water Flows for 2024



Graph 2. Annual Total Treated Water Flows Comparison of 2022, 2023 and 2024



Graph 3. Annual Total Treated Water Flows for 2024 Compared to 2007



Graph 4. Average Daily and Maximum Daily Treated Water Flows from 2014 to 2024

