

# Municipality of Brockton Annual Water and Wastewater Report Review

April 14, 2026

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# Brockton Drinking Water Systems

- 3 Regulation 170 Drinking Water System
  - Walkerton
  - Lake Rosalind
  - Chepstow
- 3 Regulation 319 Drinking Water Systems (Community Centers) Annual Reports not Required
  - Elmwood
  - Cargill
  - Bradley





# Walkerton Water Flow Summary

Month	Average	Maximum	Minimum	Monthly
	Daily	Daily	Daily	Total
	m3	m3	m3	m3
Jan '25	1,515	1,836	1,159	46,953
Feb '25	1,560	2,009	1,092	43,693
Mar '25	1,634	3,277	1,154	50,660
Apr '25	1,603	2,055	1,309	48,098
May '25	1,691	2,575	1,259	52,421
Jun '25	1,954	2,454	1,236	56,673
Jul '25	2,069	2,713	1,614	62,075
Aug '25	2,050	2,540	1,409	63,561
Sep '25	1,849	2,209	1,443	55,465
Oct '25	1,693	2,243	1,061	52,498
Nov '25	1,546	2,114	730	46,377
Dec '25	1,629	1,940	1,221	50,514
<b>Annual Summary</b>				
<b>Total</b>				<b>628,989</b>
<b>Average</b>	<b>1,733</b>			
<b>Minimum</b>			<b>730</b>	

- For 2025 the Average Flow was 24.3% of Capacity
- Peak Flow was 45.9% of Capacity (PTTW Capacity 7136 m3/day)

# Lake Rosalind Water Flow Summary



Month	Average	Maximum	Minimum	Monthly
	Daily	Daily	Daily	Total
	m3	m3	m3	m3
Jan '25	24	29	18	748
Feb '25	20	28	13	558
Mar '25	17	24	12	537
Apr '25	21	33	11	620
May '25	22	34	14	680
Jun '25	26	42	18	786
Jul '25	26	35	17	797
Aug '25	26	36	18	810
Sep '25	20	28	13	604
Oct '25	18	25	10	554
Nov '25	17	24	7	521
Dec '25	18	24	13	563
<b>Annual Summary</b>				
<b>Total</b>				<b>7,778</b>
<b>Average</b>	<b>21</b>			
<b>Minimum</b>			<b>7</b>	

- For 2025 the Average Flow was 14.9% of Capacity
- Peak Flow was approx. 29.8% of Capacity (PTTW Capacity 140.832 m3/day)

# Chepstow Water Flow Summary



Month	Average	Maximum	Minimum	Monthly
	Daily	Daily	Daily	Total
	m3	m3	m3	m3
Jan '25	11	15	8	345
Feb '25	11	14	8	305
Mar '25	11	15	9	349
Apr '25	13	18	9	394
May '25	13	21	10	395
Jun '25	16	30	10	455
Jul '25	23	44	11	708
Aug '25	34	54	18	1,053
Sep '25	33	70	10	1,007
Oct '25	12	23	9	394
Nov '25	13	20	8	390
Dec '25	14	19	10	430
Annual Summary				
<b>Total</b>				<b>6,226</b>
<b>Average</b>	<b>17</b>			
<b>Minimum</b>			<b>8</b>	
<b>Maximum</b>		<b>70</b>		

- For 2025 the Average Flow was 7.88% of Capacity
- Peak Flow was approx. 32% of Capacity (PTTW Capacity 216 m3/day)
- A leak in the system resulted in elevated flow rates during August and September. The leak was found and repaired September 17, 2025.

# Brockton Water Compliance



- 2025 MECP Inspection Ratings:
  - Walkerton - report not yet issued
  - Lake Rosalind - 100%
  - Chepstow - 100%
- Adverse Water Quality Incidents (AWQI's):
  - No Incidents in 2025
- 2026 DWQMS External Audit
  - January 27, 2026 - No Non-Conformances issued. Non-Conformances have not been issued since 2023

# Maintenance Activities

- Performed all Regulated and Routine Maintenance
- **Walkerton:** Repaired 5 Water main breaks  
(Victoria St, WWTP, Yonge St, Bill St, and Pine St)
- **Walkerton:** Repaired several Service Shutoff valves  
(curb stops)
- **Walkerton:** Observed Several New Water main  
Connections.
- **Walkerton:** Upgraded PLC and Software at the  
Well Site



# Maintenance Activities Cont.

- ***Chepstow:*** Replaced both chlorine pumps
- ***Chepstow:*** Repaired service leak by the pumphouse
- ***Lake Rosalind:*** Replaced Flow Meters for both Raw Wells 1 & 3
- ***Lake Rosalind:*** Installed new chlorine pump
- ***Lake Rosalind:*** Installed new 2" check valve for Well #3 Flow meter



# Walkerton Wastewater Treatment Plant



- 7560 m<sup>3</sup>/day Activated Sludge Plant  
Originally Constructed in 1969





# Walkerton WWTP Flow Summary

Month	Average	Maximum	Minimum	Monthly
	Daily	Daily	Daily	Total
	m3	m3	m3	m3
Jan '25	3,006	4,548	2,365	93,206
Feb '25	2,677	3,410	2,245	74,978
Mar '25	6,669	15,507	2,796	206,743
Apr '25	5,487	11,429	3,412	164,633
May '25	3,202	3,808	2,633	99,261
Jun '25	2,929	3,646	2,397	87,869
Jul '25	2,550	3,048	2,207	79,050
Aug '25	2,375	3,321	1,940	73,643
Sep '25	2,242	4,353	733	67,282
Oct '25	2,417	3,298	1,672	74,929
Nov '25	2,601	3,228	1,925	78,005
Dec '25	3,414	6,375	2,362	105,833
<b>Annual Summary</b>				
<b>Total</b>				<b>1,205,432</b>
<b>Average</b>	<b>3,297</b>			
<b>Minimum</b>			<b>733</b>	
<b>Maximum</b>		<b>15,507</b>		

- For 2025 the Average Flow was 44% of Design Capacity
- Peak Flow was 205% of Capacity (ECA Capacity 7,560 m3/day)

# Wastewater Compliance

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- All Final Effluent Compliance Parameters Met
- 97.1% Biological Oxygen Demand Removal
- 96.1% Total Suspended Solids Removal
- 82.1% Total Phosphorous Removal
- 98.7% Ammonia Reduction



# Maintenance Activities

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- Operators Frequently Unclogged Various Pumps at the Facility
- Primary Clarifier #2 was repaired/rebuilt
- New blowers were completed and commissioned
- New wet well level sensors
- New VFD installed



# 2026 - 2027 Planned Activities

- North Booster Station PLC Upgrades in progress
- Well 7&9 UV upgrades are planned for 2026
- Chepstow Filter Housing Replacement Underway
- Wastewater Screen Upgrades ongoing
- Lake Rosalind Filter Housing Upgrades  
Recommended
- SCADA Software Upgrades are recommended for  
2027



**Thank you for your  
time!**

**Please do not hesitate  
to ask any questions.**