

Municipality of Brockton Annual Water and Wastewater Report Review

April 22, 2025

Scott Gowan – Project Manager



Brockton Drinking Water System



- 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 Daily m3	Maximum Daily m3	Minimum Daily m3	Monthly Total m3
Jan '24	1,432	1,950	1,073	44,401
Feb '24	1,417	1,681	1,054	41,086
Mar '24	1,388	1,727	950	43,027
Apr '24	1,440	1,814	1,100	43,204
May '24	1,538	2,498	987	47,680
Jun '24	1,704	2,605	1,125	51,130
Jul '24	1,807	2,336	1,127	56,027
Aug '24	1,796	2,282	1,150	55,686
Sep '24	1,731	2,305	1,282	51,918
Oct '24	1,559	1,984	1,083	48,318
Nov '24	1,355	1,759	1,012	40,664
Dec '24	1,408	1,819	990	43,639
Total				566,780
Average	1,549			
Minimum			950	
Maximum		2,605		

- For 2024 the Average Flow was 21.7% of Capacity
- Peak Flow was 36.5% of Capacity (PTTW Capacity 7136 m3/day)

Lake Rosalind Water Flow Summary



Month	Average Daily m3	Maximum Daily m3	Minimum Daily m3	Monthly Total m3
Jan '24	15	24	9	452
Feb '24	14	20	9	397
Mar '24	16	24	9	481
Apr '24	16	24	9	490
May '24	18	31	14	562
Jun '24	21	49	13	632
Jul '24	28	47	16	855
Aug '24	26	37	19	807
Sep '24	24	32	18	721
Oct '24	20	27	14	630
Nov '24	42	85	15	1,252
Dec '24	18	28	10	554
Total				7,833
Average	21			
Minimum			9	
Maximum		85		

- For 2024 the Average Flow was 14.9% of Capacity
- Peak Flow was approx. 60% of Capacity (PTTW Capacity 140.832 m3/day)

Chepstow Water Flow Summary



Month	Average Daily m3	Maximum Daily m3	Minimum Daily m3	Monthly Total m3
Jan '24	11	17	9	340
Feb '24	10	16	8	302
Mar '24	11	19	8	340
Apr '24	12	23	9	372
May '24	13	18	9	411
Jun '24	14	18	10	411
Jul '24	13	18	8	411
Aug '24	13	18	10	407
Sep '24	13	20	9	403
Oct '24	13	22	8	386
Nov '24	12	16	9	369
Dec '24	13	19	9	397
Total				4,549
Average	12			
Minimum			8	
Maximum		23		

- For 2024 the Average Flow was 5.75% of Capacity
- Peak Flow was approx. 11% of Capacity (PTTW Capacity 140.832 m3/day)

Brockton Water Compliance



- 2024 MECP Inspection Ratings:
 - Walkerton - 100%
 - Lake Rosalind - 100%
 - Chepstow - 100%
- Adverse Water Quality Incidents (AWQI's):
 - No Incidents in 2024

Maintenance Activities

- Performed all Regulated and Routine Maintenance
- Repaired 1 Water main break (Ridout Street)
- Repaired several Service Shutoff valves (curb stops)
- Observed Several New Water main Connections.
- Replaced a Automatic (Solenoid) Valve for the Chepstow UV Disinfection System



Walkerton Wastewater Treatment Plant



- 7560 m³/day Activated Sludge Plant Originally Constructed in 1969





Walkerton WWTP Flow Summary

Month	Average Daily m3	Maximum Daily m3	Minimum Daily m3	Monthly Total m3
Jan '24	3,415	5,431	2,604	105,867
Feb '24	3,383	4,759	2,525	98,099
Mar '24	3,636	4,358	3,161	112,730
Apr '24	4,130	6,496	2,810	123,899
May '24	3,075	4,327	2,558	95,317
Jun '24	2,520	2,953	2,056	75,586
Jul '24	2,531	3,982	2,075	78,464
Aug '24	2,363	3,121	2,082	73,255
Sep '24	2,093	2,357	1,781	62,797
Oct '24	1,959	2,270	1,665	60,736
Nov '24	1,992	2,300	1,445	59,773
Dec '24	3,132	6,897	2,008	97,093
Total				1,043,616
Average	2,851			
Minimum			2,851	
Maximum		6,897		

- For 2024 the Average Flow was 38% of Design Capacity
- Peak Flow was 91% of Capacity (ECA Capacity 7,560 m3/day)

Wastewater Compliance



- All Final Effluent Compliance Parameters Met
- 98.4% Biological Oxygen Demand Removal
- 97.7% Total Suspended Solids Removal
- 85.6% Total Phosphorous Removal
- 99.5% Ammonia Reduction

Maintenance Activities

- Replaced Variable Frequency Drive for 1 Raw Sewage Pump
- Operators Frequently Unclogged Various Pumps at the Facility
- Influent Screening and Blower Upgrades were Initiated
- Air Diffuser repairs were completed.



**Thank you for your
time!**

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