



Water Pollution Control Plant

2022
Report Highlights
Presented by



Town of BWG
Wastewater Division



ABOUT BWG'S Water Pollution Control Plant

Originally constructed in 1962, the Town's Water Pollution Control Plant (WPCP) is located at 225 Dissette Street.

The facility has undergone several upgrades over the years to ensure the treated water (effluent) discharged into the West Holland River meets and/or exceeds the requirements of the Ministry of Environment, Conservation and Parks (MECP). Our wastewater treatment process consists of three main stages: Primary, Secondary, and Tertiary.

SYSTEM highlights

- 19.4k Daily rated capacity (in m³).
- 9 Pumping stations throughout BWG.
- 2,032 Manholes throughout BWG.
- 36.48 Kilometers of forcemain.
- 126.1 Kilometers of gravity sewer.
- 34,623 Population served.
- 26.3k Cubic metres of biosolids produced from system in 2022.
- 0 Number of abnormal discharge, bypass and overflow.
- 0 Number of odour inquiries from wastewater operations.

4.29M

Cubic metres of total wastewater flow into the WPCP (influent flow) in 2022.

17.5k

Maximum daily influent reported (in cubic metres)

61%

Average daily influent flow of rated capacity (11,754m³)

3.94M

Cubic metres of total wastewater discharged from the WPCP (effluent flow) in 2022.

16k

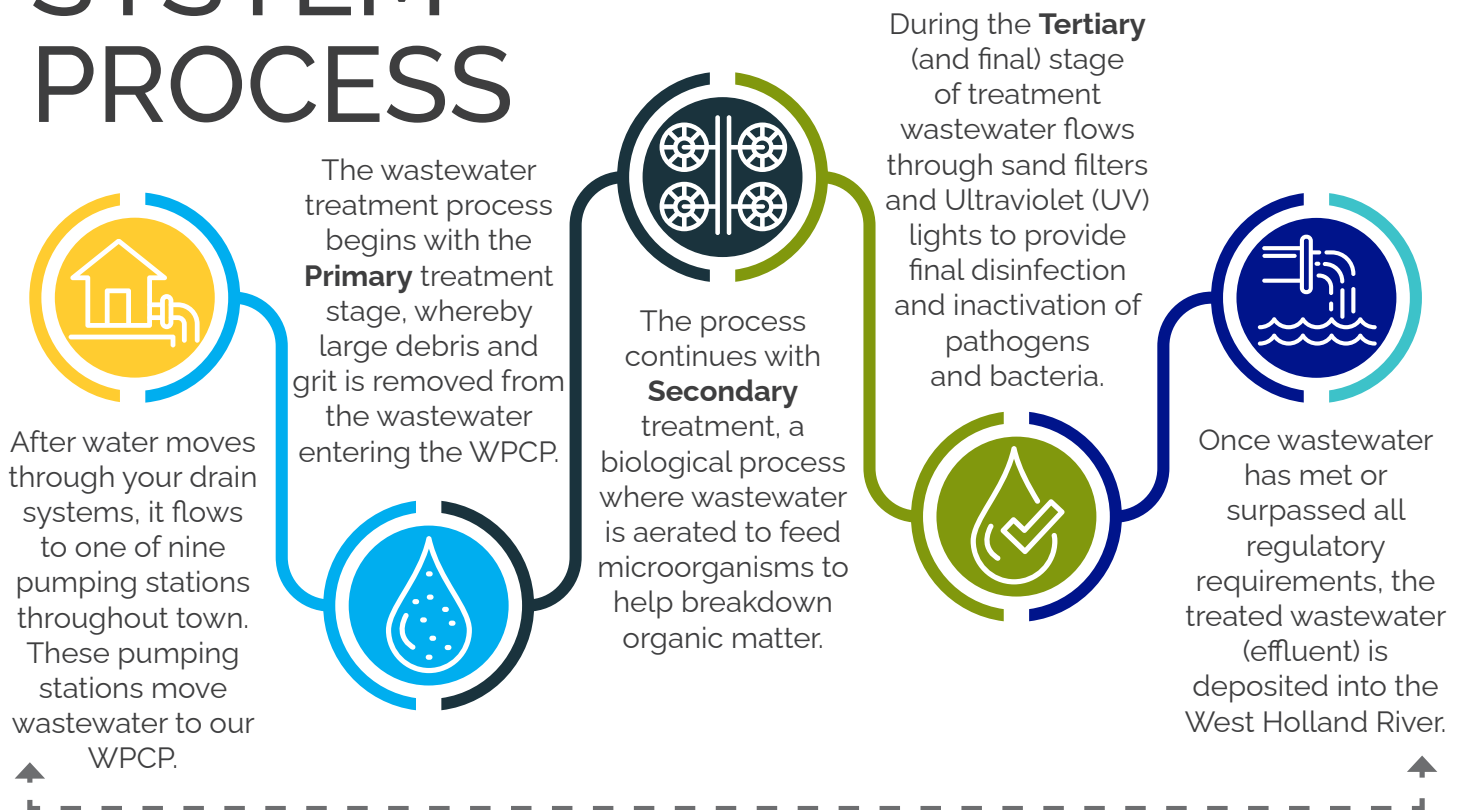
Maximum daily effluent reported (in cubic metres)

56%

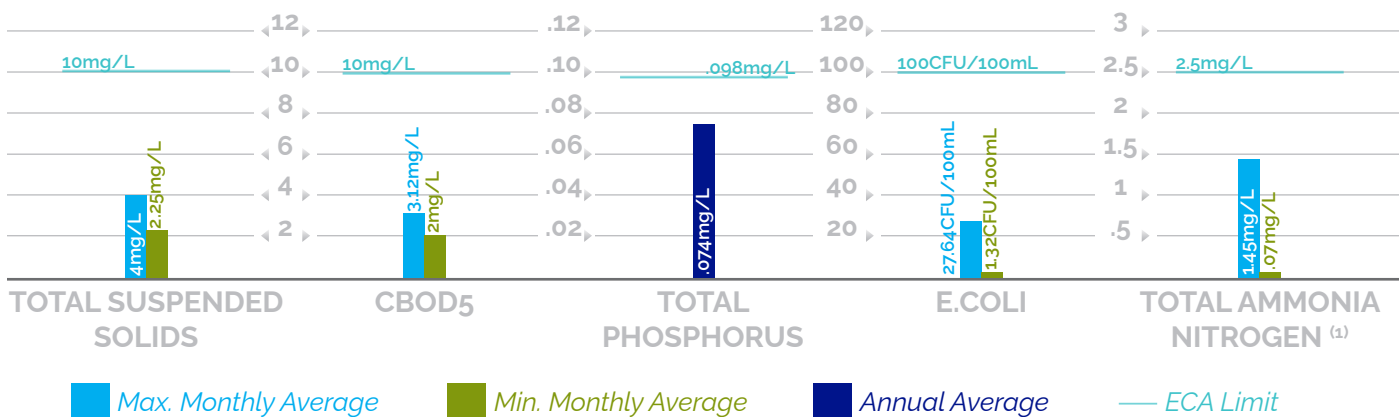
Average daily effluent flow of rated capacity (10,810m³)



SYSTEM PROCESS



Wastewater Quality Monitoring: Wastewater is monitored entering (influent) and leaving (effluent) the WPCP. The Environmental Compliance Approval (ECA) sets out the minimum required monitoring frequency and parameters. Some parameters are assigned limits. The effluent parameters that have corresponding limits have been graphed below.



⁽¹⁾ Total Ammonia Nitrogen has an objective and limit of 0.6 and 0.8mg/L and 2 and 2.5mg/L at different times of the year. More detailed information can be found within the 2022 WPCP Annual Summary Report.

Our WPCP has demonstrated compliance with the strict regulatory requirements set out by the MECP for 2022.



Water Pollution Control Plant 2022 Report Highlights

Prepared by the Town of Bradford West
Gwillimbury's Wastewater Division

.....

Receiving Stream: West Holland River

Wastewater Treatment Plant: Class IV

Wastewater Collection System: Class III

Environmental Compliance Approval:

ECA No. 3705-BGRP97 and CLI ECA No. 116-W601

.....

Wastewater Division Contact

3541 Line 11, Bradford

Monday-Friday, 8:30 am - 4:30 pm

Phone: 905 775 5369

Fax: 905 778 4343

After-hours Emergencies

Call Huronia Alarms at 1 800 461 9675

WWW.TOWNOFBWG.COM/WASTEWATER