

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 and 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.

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)

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.

• Number of abnormal discharge, bypass and overflow.

• Number of odour inquiries from wastewater operations.

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



After water moves through your drain systems, it flows to one of nine pumping stations throughout town. These pumping stations move wastewater to our WPCP.

The wastewater treatment process begins with the **Primary** treatment stage, whereby large debris and grit is removed from the wastewater entering the WPCP.





The process continues with **Secondary** treatment, a biological process where wastewater is aerated to feed microorganisms to help breakdown organic matter.

During the **Tertiary**(and final) stage
of treatment
wastewater flows
through sand filters
and Ultraviolet (UV)
lights to provide
final disinfection
and inactivation of
pathogens
and bacteria.

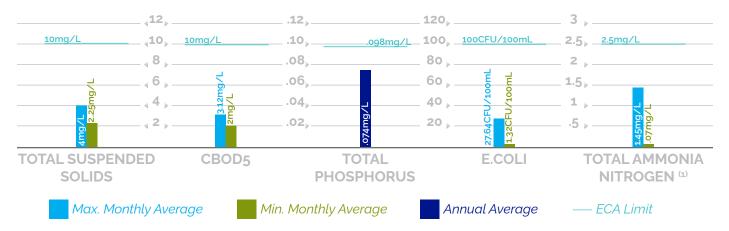




Once wastewater
has met or
surpassed all
regulatory
requirements, the
treated wastewater
(effluent) is
deposited into the
West Holland River.



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