

## 2022 Year End Report: Bracebridge Wastewater Treatment Plant (WWTP)



### April 2023 Addendum 1

*Added pH to Table 1: Final Effluent Analysis Summary*

*Added Table 4: Average Influent Flow by Day of the Week*

Environmental Compliance Approval: # 3237-BDGQDG

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**Table 2 Final Effluent Analysis Summary**

Parameter	Minimum	4 Week Average Maximum	Annual Average	Average Loading kg/day
COBD5 (mg/L)	2	2	2	2.35
Suspended Solids (mg/L)	2	3	2.2	2.57
Total Phosphorus (mg/L)	0.03	0.16	0.04	0.05
Ammonia (mg/L)	0.10	0.88	0.26	0.31
E. Coli (#/100 mL)	0	3	0.04	1.08
pH	6.58 - Min	7.74 - Max	7.10	N/A

**Final Effluent Sampling Summary**

Average daily flow comparisons by day of week ensure ECA requirements for scheduled sampling are taken at a time, and in a location characteristic of the quality and quantity of the sewage stream over the time period being monitored. Average daily flow rates by day of the week compare the flow to the average daily flow for the entire year. This data is used to determine if a particular day of the week is best to ensure samples are taken to meet the requirements of scheduled monitoring sections of the ECA's. Sampling plans are reviewed and updated yearly based on the previous yearly flow data. Tuesday was the weekly sample day for 2022, and as per the 2022 Influent Flow Chart below, Tuesday will again be the sample day for 2023.

**Table 4 Average Influent Flow by Day of the Week**

Day	2022 Average Flow by Day	% of ADFR
Monday	3824.25	98%
Tuesday	3893.56	100%
Wednesday	3836.77	99%
Thursday	4025.91	103%
Friday	4101.98	105%
Saturday	3818.85	98%
Sunday	3772.10	97%