

**2017 Compliance Report for the Wheatley Water Pollution Control Plant
Public Utilities Commission for the Municipality of Chatham-Kent**

The Wheatley Water Pollution Control Plant is located at 289 First Concession Line in Wheatley. The facility was constructed in 1985 with further plant upgrades in the 1990's. Four sewage pump stations serve the facility. The Wheatley Water Pollution Control Plant C of A limits the average daily flow to 2,752 m³/day with a peak flow capacity of 8,500 m³/day. The plant effluent is discharged to Lake Erie.

The existing treatment system uses the following treatment process:

- Raw sewage pumping
- Aeration tanks
- Aerobic digesters
- Sludge storage tank
- Phosphorus Removal System
- Final clarifiers
- Chlorine Contact Chamber with Chlorine for Disinfection

**REPORTING REQUIREMENTS
UNDER CERTIFICATE OF APPROVAL #1-822-83-006 & 3-1602-90-927**

Non-compliance issues for 2017:

There were no non-compliance issues.

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Plant rated capacity of 2,752m³/day**

Total sewage flow to the works during a calendar year divided by the number of days during which sewage was flowing to the works that year

(Avg Daily Flow, BOD, S.S, Total P and Ammonia calculated by 12 month arithmetic mean)

Month	Total Monthly Flow m ³	Avg Daily Flow /Month m ³ /day	Avg Daily Flow/Year m ³ /day	% of Plant Capacity	BOD5 mg/L Yearly Avg	Total S.S. mg/L Yearly Avg	Total Ammonia mg/L Yearly Avg	Total P mg/L Yearly Avg	pH	E.coli/100mL CFU GeoMean
Limits	None	None	2,752	100	25	25	none	1	none	none
Objectives	None	None	2,752	100	15	15	5	1	none	none
Jan	56,964	1,838			0.74	6.9	0.16	0.61	7.34	16
Feb	51,028	1,822			0.87	7.0	0.16	0.63	7.42	13
Mar	55,716	1,797			1.02	7.0	0.27	0.63	7.35	10
Apr	62,945	2,098			1.13	7.1	0.17	0.61	7.32	13
May	63,880	2,061			1.19	6.9	0.19	0.57	7.20	10
Jun	52,386	1,746			1.35	7.1	0.21	0.55	7.00	13
Jul	57,026	1,840			1.51	7.2	0.21	0.55	6.92	10
Aug	46,725	1,507			1.69	7.5	0.23	0.56	7.18	10
Sept	42,985	1,433			1.67	6.3	0.26	0.49	7.27	22
Oct	43,998	1.419			1.87	7.2	0.36	0.49	7.33	33
Nov	64,453	2.148			1.85	7.2	0.32	0.45	7.19	10
Dec	48,993	1.580			2.00	6.7	0.31	0.46	6.66	10
Yearly Average			1.773	64	1.41	7.0	0.24	0.55	7.18	14
	Yearly Total Flow m³									
	647,099									