

**2016 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 2,752m³/day with a peak flow of 8,500m³/day. The Wheatley Water Pollution Control Plant discharges to Lake Erie.

The treatment system includes the following processes:

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

C of A # 1-822-83-006 and 3-1602-90-927

Non-compliance issues for 2016:

There were no non-compliance issues.

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Plant rated capacity of 2,752m³/day

The 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

Month	Total Monthly Flow 1000 m ³	Avg Daily Flow /Month 1000 m ³ /day	Avg Daily Flow/Year 1000m 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/100 mL CFU GeoMean
Limits: Freezing	None	None	2.752	100	25	25	none	1	none	none
Jan	47.913	1.546			0.35	3.6	0.13	0.49	7.49	12
Feb	47.648	1.643			0.30	3.9	0.03	0.47	7.33	10
Mar	64.051	2.066			0.21	3.4	0.00	0.47	7.43	15
Apr	64.803	2.160			0.25	3.5	0.05	0.48	7.48	15
May	56.108	1.810			0.38	4.3	0.03	0.53	7.32	10
Jun	46.903	1.563			0.35	4.5	0.05	0.55	7.26	10
Jul	45.721	1.475			0.35	3.9	0.09	0.55	6.78	10
Aug	45.830	1.478			0.35	3.7	0.10	0.55	6.84	10
Sept	47.943	1.598			1.29	5.2	0.64	0.62	7.41	11
Oct	49.904	1.610			0.49	5.2	0.07	0.60	7.38	10
Nov	46.928	1.564			0.71	5.8	0.62	0.63	7.33	36
Dec	44.884	1.448			0.67	6.2	0.15	0.61	7.29	11
Avg	50.720		1.663	60	0.48	4.4	0.16	0.55	7.28	13
	Yearly Total Flow 1000m³									
	608.636	2.160								