

2008 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 some plant upgrades in the 1990's. There are 4 sewage pump stations that supply the facility with wastewater. The Wheatley Water Pollution Control Plant has an approved C of A for an average daily flow of 2,752 m³/day with a peak flow of 8,500 m³/day.

The existing treatment system uses the following treatment process:

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

Non-compliance issues in 2008:

None

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Plant Rated Capacity 2.752 1000 m3/day

Month	Total Monthly Flow 1000m3	Average Daily Flow 1000m3/day	% of Plant Capacity	BOD5 mg/l	Total S.S. mg/l	Total Ammonia mg/l	Total P mg/l	E.Coli /100ml CFU
Limits: Freezing				25	25		1	
Limits: Non Freezing				25	25		1	
January	49.407	1.594	57.8	2.0	10.2	0.22	0.82	10
February	51.640	1.781	64.7	3.0	11.5	0.05	0.68	10
March	59.541	1.921	69.8	2.0	9.6	0.32	0.40	10
April	43.229	1.441	52.3	2.0	11.0	0.10	0.30	10
May	41.604	1.342	48.7	2.0	6.0	0.05	0.47	10
June	46.704	1.557	56.5	2.0	10.7	0.07	0.52	10
July	53.733	1.733	62.9	2.0	19.3	0.15	0.44	10
August	46.937	1.514	55.0	2.0	10.0	0.10	0.43	10
September	45.190	1.506	54.7	4.0	7.3	0.05	0.43	10
October	37.984	1.225	44.5	2.0	7.8	0.14	0.33	10
November	43.785	1.460	53.0	3.0	11.7	0.22	0.39	10
December	59.734	1.927	70.0	3.0	19.8	0.14	0.45	10
	Yearly Total Flow 1000m3	Yearly Averages						
	579.5	1.583	57.5	2.4	11.2	0.13	0.47	10

C of A #1-822-83-006