

## **2009 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 m<sup>3</sup>/day with a peak flow of 8,500 m<sup>3</sup>/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 2009:**

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	40.205	1.297	47.1	2.0	13.5	0.17	0.32	10
February	54.613	1.950	70.8	2.0	9.2	0.05	0.29	10
March	59.571	1.927	70.0	2.0	4.0	0.10	0.42	10
April	56.954	1.898	68.9	3.0	16.2	0.08	0.47	10
May	50.989	1.645	59.7	2.0	24.6	0.05	0.61	10
June	49.494	1.650	59.9	2.0	25.1	0.09	0.54	10
July	50.962	1.644	59.7	2.0	9.1	0.10	0.47	10
August	50.214	1.620	58.8	2.0	6.2	0.15	0.47	10
September	42.552	1.418	51.5	2.0	6.4	0.29	0.59	10
October	39.433	1.272	46.2	2.0	13.1	0.10	0.45	10
November	35.528	1.184	43.0	2.0	10.5	0.10	0.44	10
December	44.279	1.428	51.8	2.0	11.3	0.08	0.41	10
	<b>Yearly Total Flow 1000m3</b>	<b>Yearly Averages</b>						
	574.794	1.578	57.2	2.1	12.4	0.11	0.46	10

**C of A #1-822-83-006**