

**MUNICIPALITY OF CHATHAM-KENT
PUBLIC UTILITIES COMMISSION**

WHEATLEY WATER POLLUTION CONTROL PLANT

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

Plant Rated Capacity (m³/day): 2,752

Average Daily Flow (m³/day): 1,628

% of Plant Capacity: 59.1%

* not applicable

Effluent Parameter	Monthly Avg. Limit	Annual Avg. Limit	Result mg/L
BOD 5	*	25.0 mg/L	2.3
Suspended Solids	*	25.0 mg/L	8.6
Total Phosphorus	1.0 mg/L	1.0 mg/L	0.56

MONTH	Total Monthly Flow 1000 m ³	Average Daily Flow 1000 m ³
JANUARY	59.113	1.907
FEBRUARY	38.357	1.370
MARCH	53.857	1.737
APRIL	52.905	1.764
MAY	52.504	1.694
JUNE	53.533	1.784
JULY	52.345	1.689
AUGUST	53.731	1.733
SEPTEMBER	45.649	1.522
OCTOBER	43.282	1.396
NOVEMBER	38.610	1.287
DECEMBER	51.337	1.656
TOTAL	595.217	
AVERAGE		1.628