

## **2015 Compliance Report for the Clearville Park Wastewater Treatment Plant Public Utilities Commission for the Municipality of Chatham-Kent**

The Clearville Park Wastewater Treatment Plant provides treatment of wastewater for Clearville Park. Wastewater is collected by a separate sanitary sewer system and conveyed to two Waterloo Bio-filter treatment units. The treated wastewater is subsequently discharged to Clear Creek.

During April 2005, the PUC was contracted by the Municipal Parks and Recreation Department to operate the plant.

This tertiary wastewater treatment system has a rated capacity of 30,000 L/day, and services a seasonal campsite.

The present treatment system consists of:

- Two septic tanks
- One bio-filter dosing tank and submersible pumps
- Two Waterloo Bio-filter treatment units
- UV disinfection

The effluent outfall pipe discharges to the Clear Creek.

### **C of A # 7957-762JAZ**

#### **Non-compliance issues in 2015:**

An exceedance of the average monthly concentration effluent limit for Total Ammonia Nitrogen occurred for the month of May 2015.

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**Plant Rated Capacity (m3/day): 30**

**Total flow during calendar year divided by the number of days during which sewage was flowing (measured on the effluent pipe discharging to the outfall)**

Month	Total Monthly Flow m3	Avg Daily Flow /Month m3/day	Avg Daily Flow /Year m3/day	% of Plant Capacity	CBOD5 mg/l	Total S.S. mg/l	Total Ammonia mg/l	Total P mg/l	pH	E.Coli /100ml CFU
<b>Limits</b>	None	None	30	100	15	15	5.0	0.7	6.0 – 9.5	200
Jan										
Feb										
Mar										
Apr										
May	276	8.894			2	1	5.073	0.223	8.21	42
Jun	511	17.043			2	1	0.25	0.130	7.61	14
Jul	265	8.536			2	1	0.36	0.16	7.60	17
Aug	250	8.057			2	1	0.50	0.25	7.64	11
Sept	194	6.473			2	1	0.31	0.24	7.44	15
Oct	76	2.822			2	1	0.13	0.10	7.33	10
Nov										
Dec										
Year			7.404	28						
	<b>Yearly Total Flow m3</b>	<b>Yearly Maximums</b>								
	1572	17.043			2	1	5.073	0.223	8.21	42