

2017 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 m³/day and services a seasonal campground.

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 2017:

There were no non-compliance issues.

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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
Limits	None	None	30	100	15	15	5.0	0.7	6.0 – 9.5	200
Objectives	None	None	30	100	10	10	3.0	0.3	6.0 – 9.5	100
Jan										
Feb										
Mar										
Apr										
May	352.5	11.371			3	2	1.00	0.26	7.84	10
Jun	234.8	7.827			2	1	0.51	0.48	7.93	10
Jul	291.7	9.410			2	1	2.41	0.49	7.60	10
Aug	213.0	6.871			2	2	0.84	0.49	7.70	10
Sept	185.2	6.173			2	2	3.34	0.61	7.99	10
Oct	94.6	4.979			2	1	0.93	0.47	8.03	10
Nov										
Dec										
Year			7.976	27						
	Yearly Total Flow m3	Yearly Maximums								
	1,372	11.371			3	2	3.34	0.61	8.03	10