

**2015 Compliance Report for the Mitchell's Bay Sewage Lagoon System
Public Utilities Commission for the Municipality of Chatham-Kent**

The Mitchell's Bay Sewage Lagoon System provides treatment of wastewater for approximately 500 residents of the Mitchell's Bay community. Wastewater is collected and pumped to the sewage lagoon system from one sanitary pump station.

The Mitchell's Bay Sewage Lagoon System was built in 1977 with a maximum design flow of 509 m³/day. This sewage treatment facility consists of 3 treatment cells each 5 acres in size.

Final effluent is discharged to Rankin Creek in the spring and fall if required.

C of A #1-502-77-006

The following Ministry Procedures / Guidelines apply:

- Procedure F-5-1: Minimum effluent limits BOD₅, Suspended Solids
- Guideline F-8: Effluent limits Phosphorus
- Procedure F-10-1: Minimum monitoring program
- Table C-1: Monitoring, recording and reporting bypasses

Non compliance issues during the reporting period:

None

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Plant Rated Capacity: 509m³/day

Total sewage flow to the works during a calendar year divided by the number of days during which sewage was flowing to the works that year

Month	Total Monthly Influent Flow m³	Avg Daily Influent Flow /Month m³/day	Avg Daily Influent Flow/Year m³/day	% of Rated Capacity	BOD5 mg/L	Total S.S mg/L	Total P mg/L
Limits	None	None	509	100	25	25	1.0
January	2,538	82			N/A	N/A	N/A
February	1,882	67			N/A	N/A	N/A
March	3,925	127			N/A	N/A	N/A
April	3,988	133			9.3	17.3	0.15
May	3,253	105			N/A	N/A	N/A
June	4,326	144			N/A	N/A	N/A
July	5,121	165			N/A	N/A	N/A
August	4,589	148			N/A	N/A	N/A
September	3,243	108			N/A	N/A	N/A
October	2,760	89			N/A	N/A	N/A
November	2,904	97			N/A	N/A	N/A
December	3,489	113			N/A	N/A	N/A
Year			115	22.6%			
	Yearly Total Flow m³	Yearly Maximums					
	42,018	165			9.3	17.3	0.15