

**2008 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 5 acres in size each.

Seasonal discharges of final effluent are to Rankin Creek if required in the spring and fall.

Non-compliance issues for 2008:

None.

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Plant Rated Capacity (m3/day): 509

Month	Total Monthly Flow m3	Average Daily Flow m3/day	% of Rated Capacity	BOD5 mg/l	Total S.S. mg/l	Total P mg/l
Limits: Freezing						
Limits: Non Freezing				25	25	1.0
January	4,336	140	27.5%	N/A	N/A	N/A
February	4,964	177	34.8%	N/A	N/A	N/A
March	5,816	187	36.7%	N/A	N/A	N/A
April	4,364	145	28.5%	3.0	5.7	0.18
May	3,965	128	25.2%	N/A	N/A	N/A
June	4,848	162	31.8%	N/A	N/A	N/A
July	5,075	164	32.2	N/A	N/A	N/A
August	3,713	140	27.5%	N/A	N/A	N/A
September	3,536	117	23.0%	N/A	N/A	N/A
October	2,812	91	17.9%	N/A	N/A	N/A
November	3,437	115	22.6%	N/A	N/A	N/A
December	5,179	167	32.8%	N/A	N/A	N/A
	Yearly Total Flow m3	Yearly Averages				
	52,045	143	28.0%	3.0	5.7	0.18

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