

**2009 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 2009:

There were no non compliance issues in 2009.

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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	3,964	128	25.2%	N/A	N/A	N/A
February	5,342	191	37.5%	N/A	N/A	N/A
March	6,993	226	44.4%	N/A	N/A	N/A
April	6,672	222	43.6%	N/A	N/A	N/A
May	4,784	154	30.3%	N/A	N/A	N/A
June	4,801	165	32.4%	<2.0	3.7	0.75
July	3,850	132	25.9%	N/A	N/A	N/A
August	4,939	159	31.2%	N/A	N/A	N/A
September	3,707	137	26.9%	N/A	N/A	N/A
October	3,661	118	23.2%	N/A	N/A	N/A
November	2,639	91	17.9%	N/A	N/A	N/A
December	3,452	111	21.8%	N/A	N/A	N/A
	Yearly Total Flow m3	Yearly Averages				
	54,804	153	30.0%	<2.0	3.7	0.75

