



**2014 Annual Report – Waste Water**

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**2014 ANNUAL REPORT**  
**WILLIAMSBURG LAGOON, WILLIAMSBURG**

Reporting period - JAN 1st - DEC 31st 2014

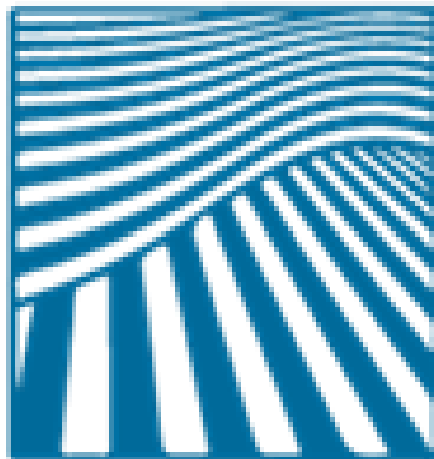
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**WASTE WATER TREATMENT**  
**WILLIAMSBURG LAGOON, WILLIAMSBURG**

***Waste Water Treatment System Number*** : 3-0456-84-887

***Waste Water Treatment System Owner*** : Municipality of South Dundas

***Waste Water Treatment System Category*** : Large Municipal Residential





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### Availability

Public Access via the web	<a href="http://www.southdundas.com">http://www.southdundas.com</a>
Public Access via Public Request	Municipal Offices, 34 Ottawa Street, Morrisburg
Public Notice via Local Newspaper	

Free copies of this report and the Summary report prepared as per requirements as per C of A number 3-0456-84-887 have been listed below. As per Condition 10, ss 6 of the C of A, a performance report shall be prepared and submitted 90 days following the end of the period being reported upon. The following is a list of the information to be included in this annual report as per C of A number 3-0456-84-887



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### Inside This Report

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2. Description of any operating problems/corrective actions taken page 6
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### 1. Monitoring data and effluent limits

<b>WILLIAMSBURG</b>	Total m3	Average Daily m3	Maximum Daily m3
Jan	8,548.00	285.00	590.00
Feb	6,923.00	256.00	578.00
March	10,190.00	329.00	516.00
April	10,819.00	373.00	715.00
May	7,822.00	252.00	306.00
June	10,819.00	373.00	715.00
July	10,565.00	340.00	908.00
August	7,249.00	233.00	302.00
September	10,528.00	351.00	1,006.00
October	7,667.00	264.00	302.00
November	8,528.00	284.00	381.00
December	7,959.00	256.00	362.00
<b>Total Flow</b>	<b>107,617.00</b>		
<b>Ave Daily Flow</b>		<b>299.67</b>	
<b>Max Day</b>			<b>1,006.00</b>

This table illustrates Monthly and Annual values for the influent to the Williamsburg Lagoons.



## 2013 Annual Report – Waste Water

DATE	Raw Influent				Final Effluent					
	WILLIAMSBURG BOD <sub>5</sub> mg/L	TSS mg/L	TKN mg/l	TP mg/L	Total Effluent volume water course m <sup>3</sup>	Flow Duration HOURS	BOD <sub>5</sub> mg/L	TSS mg/L	Ammonia + Ammonium mg/L	TP mg/L
Jan	169.00	148.00	33.00	4.94						
Feb	202.00	164.00	39.50	5.08						
March	242.00	336.00	35.20	4.92						
April	58.00	72.00	8.70	1.18			3.00	4.33	0.19	0.34
May	198.50	150.00	23.50	3.58	51,888.96 <sup>(1)</sup>	264.00	3.67	7.00	0.25	0.52
June	159.00	136.00	38.60	5.40						
July	203.00	232.00	48.30	2.79						
August	110.00	108.00	41.60	4.64						
September	194.00	128.00	45.00	6.04						
October	306.00	284.00	49.80	7.57						
November	255.00	224.00	40.10	5.35						
December	190.00	104.00	28.90	3.41						
<b>Average</b>	190.54	173.83	36.02	4.58	51,888.96	264.00	3.33	5.67	0.22	0.43
<b>Limits</b>							<b>30</b>	<b>30</b>		

<sup>(1)</sup>

The information above illustrates a Total Effluent discharge in April of 51,888.96m<sup>3</sup>. Monitoring performed by an accredited Laboratory, found to be well within the set discharge limits.



## **2013 Annual Report – Waste Water**

### **2. Description of any operating problems/corrective actions taken**

NONE to report during this reporting period.

### **3. Summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the Works**

A major upgrade of the electrical control panels, pumps, and appurtances in compliance with the C of A was performed on the Williamsburg pump station, completed on the 31<sup>st</sup> October 2014.

### **4. Summary of the calibration and maintenance carried out on all effluent monitoring equipment**

Calibration of all monitoring equipment was successfully carried out by V. Nowik Instrumentation and Control on July 16th 2014.

### **5. Summary of any Complaints received during the reporting period**

NONE to report during this reporting period.

### **6. Summary of all By-pass, spill or abnormal discharge events**

NONE to report during this reporting period.