



**2015 Annual Report – Waste Water**

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**2015 ANNUAL REPORT**

**WILLIAMSBURG LAGOON, WILLIAMSBURG**

Reporting period - JAN 1st - DEC 31st 2015

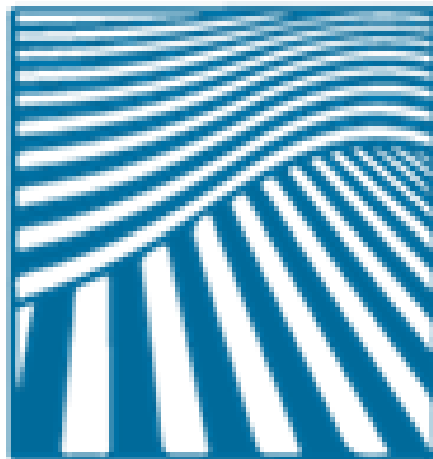
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**WASTE WATER TREATMENT  
WILLIAMSBURG LAGOON, WILLIAMSBURG**

***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 <http://www.southdundas.com>  
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
3. Summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the Works page 6
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### 1. Monitoring data and effluent limits

<b>WILLIAMSBURG</b>	Total m3	Average Daily m3	Maximum Daily m3
Jan	6,200.80	200.03	268.00
Feb	4,987.00	178.11	331.00
March	7,172.00	239.10	335.00
April	13,579.00	432.63	691.00
May	8,078.00	260.58	336.00
June	7,298.20	243.27	365.00
July	6,620.40	213.56	281.00
August	5,905.50	190.50	251.70
September	5,231.60	174.39	384.50
October	5,940.40	191.63	226.40
November	6,349.07	211.64	309.00
December	8,188.80	264.16	366.20
<b>Total Flow</b>	<b>85,550.78</b>		
<b>Ave Daily Flow</b>		<b>234.96</b>	
<b>Max Day</b>			<b>691.00</b>

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



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DATE	Raw Influent				Total Effluent volume water course m <sup>3</sup>	Flow Duration HOURS	Final Effluent			
	BOD <sub>5</sub> mg/L	TSS mg/L	TKN mg/l	TP mg/L			BOD <sub>5</sub> mg/L	TSS mg/L	Ammonia + Ammonium mg/L	TP mg/L
<b>WILLIAMSBURG</b>										
Jan	178.00	180.00	41.90	5.69						
Feb	174.00	164.00	58.30	6.63						
March	229.00	224.00	49.80	5.73						
April	77.00	260.00	19.30	2.15	23,081.05 <sup>(1)</sup>	168	4.5	11	0.07	0.28
May	228.00	156.00	23.20	2.82	16,965.59 <sup>(1)</sup>	120	6.5	18.5		
June	300.00	124.00	34.20	5.44						
July	115.00	84.00	24.50	3.45						
August	237.00	216.00	38.10	5.06						
September	129.00	160.00	50.00	6.30						
October	144.00	100.00	31.10	3.49						
November	107.00	64.00	22.30	2.93						
December										
<b>Average</b>	174.363	157.454	35.7	4.51727		144	5.5	14.7	0.07	0.28
<b>Total</b>					39,983.64					
<b>Limits</b>							<b>30</b>	<b>30</b>		

(1)  
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.



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### **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**

NONE to report during this reporting period.

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

Calibration of all monitoring equipment was successfully carried out by Capital Controls during July of 2015.

### **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.