



2013 Annual Report – Waste Water

2013 ANNUAL REPORT
WILLIAMSBURG LAGOON, WILLIAMSBURG

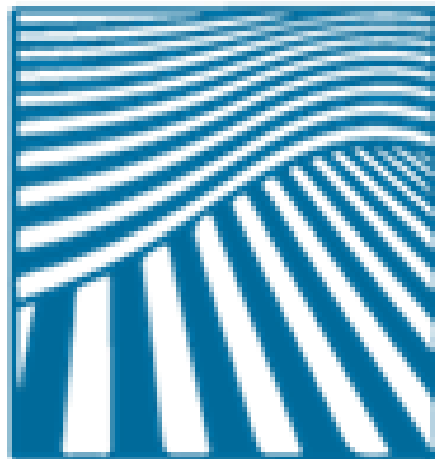
Reporting period - JAN 1st - DEC 31st 2013

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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1. Monitoring data and effluent limits

WILLIAMSBURG	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
Total Flow	107,617.00		
Ave Daily Flow		299.67	
Max Day			1,006.00

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 ³	Flow Duration HOURS	Final Effluent			
	BOD ₅ mg/L	TSS mg/L	TKN mg/l	TP mg/L			BOD ₅ mg/L	TSS mg/L	TKN mg/l	TP mg/L
Jan	119.00	136.00	19.70	3.10						
Feb	223.00	736.00	44.40	5.20						
March	173.00	500.00	40.10	5.70						
April	100.00	84.00	26.10	3.60	33,353.00 ⁽¹⁾	288.00	16.30	10.70	7.75	1.31
May	187.00	208.00	38.80	5.30						
June	100.00	84.00	26.10	3.60						
July	111.00	92.00	30.08	3.70			3.00	3.00		0.11
August	35.70	196.00	52.30	6.80						
September	77.00	80.00	21.10	2.50						
October	156.00	192.00	55.40	5.80						
November	278.00	164.00	34.10	6.10						
December	194.00	328.00	54.00	5.60						
Average	146.14	233.33	36.85	4.75			9.65	6.85	7.75	0.71
Limits							30	30		

⁽¹⁾

The information above illustrates a Total Effluent discharge in April of 33,353.00 m³. 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

All maintenance work throughout this reporting period has been completed to the Manufacturers' specifications' as detailed in the maintenance manuals.

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 June 25th 2013.

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.