



**Ontario Clean Water Agency**  
**Agence Ontarienne Des Eaux**

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March 25 2021

Mahmod Mahmod  
Acting Water Compliance Supervisor  
Kingston District Office - Ministry of the Environment, Conservation, and Parks  
1259 Gardiners Road  
Kingston, Ontario K7M 8S5

RECEIVED

MAR 25 2021

MUNICIPALITY OF TWEED

PER.....

Dear Mahmod;

Re: Tweed Lagoons - Annual Report for 2020

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Attached please find the annual performance report for the Tweed Lagoons for the operating year 2020, prepared by the Ontario Clean Water Agency.

Please note that a new Environmental Compliance Approval (ECA) #9608-9ZLJ2E was issued on September 22, 2015. This report is submitted in accordance with Conditions 10(5)(a) through 10(5)(i) of ECA.

Condition 10(5) of Environmental Compliance Approval #9608-9ZLJ2E states, *"The Owner shall prepare and submit a performance report to the Water Supervisor on an annual basis, within ninety (90) days following the end of the period being reported upon..."*

The purpose of this report is to provide a performance record for future references, to ensure that the Ministry is made aware of problems as they arise, and to provide a compliance record for all the terms and conditions outlined in the Environmental Compliance Approval.

If you have any questions regarding this report, please contact me.

Sincerely,

Natalie Iezzi  
Process and Compliance Technician  
Kawartha-Trent  
Ontario Clean Water Agency

cc: Amber Coupland, Senior Operations Manager, OCWA  
Gloria Raybone, CAO/Clerk, Municipality of Tweed  
Monica Howlett, Environmental Officer, MECP

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# Tweed Wastewater Lagoon

## Annual Report

Reporting period of January 1, 2020 – December 31, 2020

Prepared For: Municipality of Tweed

Prepared By:



**Ontario Clean Water Agency**  
**Agence Ontarienne Des Eaux**

This report is submitted in accordance with Conditions 10(5)(a) through 10(5)(l) of Environmental Compliance Approval No. # 9608-9ZLJ2E.

Condition 10(5) of Environmental Compliance Approval No. # 9608-9ZLJ2E states, *"The Owner shall prepare and submit a performance report to the Water Supervisor on an annual basis, within ninety (90) days following the end of the period being reported upon..."*



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ECA CONDITION 10(5)(A) a summary and interpretation of all monitoring data and a comparison to the effluent limits outlined in Condition 6, including an overview of the success and adequacy of the Works;

Condition 6 is imposed to ensure that the effluent discharged from the Works to Moira Creek and there from to Stoco Lake meets the Ministry's effluent quality requirements thus minimizing environmental impact on the receiver and to protect water quality, fish and other aquatic life in the receiving water body.

A summary of all monitoring data collected at the Tweed Lagoons during the reporting period is attached as Appendix I. The summary provides flow data, and analytical results of raw sewage, final effluent and upstream and downstream results.

Effluent limits are stipulated in Condition 6(1) as follows:

Tweed Lagoons – Seasonal Average Effluent Limits	
Effluent Parameter	Average Concentration (mg/L)
CBOD5	25.0
Total Suspended Solids	25.0
Total Phosphorus	1.0
pH of the effluent maintained between 6.0 and 9.5, inclusive, at all times	

Effluent non-compliance is based on the seasonal average concentration, calculated separately for the effluent from each lagoon, exceeding the maximum concentration specified.

Discharge periods are defined in Condition 9(1) as follows:

- Spring discharge commencing not earlier than March 15 and after the liquid surface in the lagoon has become free of ice cover, terminating within 45 days thereafter, and no later than May 7, and
- Fall discharge commencing not earlier than November 1 and terminating not later than December 7

### 2020 Spring Lagoon Discharge

The 2020 Spring Lagoon discharged commenced on March 22<sup>nd</sup> and was terminated on May 4<sup>th</sup>. The lagoon discharged for 44 days. The Ministry of the Environment, Conservation and Parks was verbally notified prior to commencement of the discharge and once the discharge ended. A total effluent volume of 145,376m<sup>3</sup> was discharged. No community complaints received for the entire duration of the discharge.

2020 Spring Cell Contents (Pre-discharge)			
11-Mar-20	CBOD (mg/L)	TSS (mg/L)	Total P (mg/L)
South Lagoon Cell Contents	9.00	10.00	0.16
North Lagoon Cell Contents	7.00	17.00	0.08

As per Section 9(3) of the Environmental Compliance Approval (ECA) (5) sampling events during the discharge shall be collected for effluent monitoring including CBOD5, Total Suspended Solids, Total Ammonia Nitrogen, Hydrogen Sulphide, pH, Temperature, and E.Coli.

Tweed Combined (Outfall) Lagoon Spring Discharge	# of grab samples taken	Actual Seasonal Average	Seasonal Average Limits	Compliant Y/N
CBOD5	7	7.85 mg/L	25 mg/L	Y



Total Suspended Solids	7	8.71 mg/L	25 mg/L	Y
Total Phosphorus	7	0.06 mg/L	1.00 mg/l	Y
Field pH	7	7.70 – 8.50	6.0-9.50	Y
Unionized Ammonia	7	0.078 mg/L as N	No Limit	Not Applicable
Temperature	7	6.78 °C	No Limit	Not Applicable
Total Ammonia Nitrogen (TAN)	7	4.9 mg/L	No Limit	Not Applicable
H <sub>2</sub> S	7	<0.02 mg/L	No Limit	Not Applicable
E.coli	7	1,832 cfu/100ml	No Limit	Not Applicable
Toxicity – Daphnia Magna	1	0% Mean Mortality	50%	Y
Toxicity – Rainbow Trout	1	0% Mean Mortality	50%	Y

#### 2020 Fall Lagoon Discharge

The 2020 fall discharge commenced on November 9<sup>th</sup> and terminated on December 3<sup>rd</sup>. A total effluent volume of 124,250 m<sup>3</sup> was discharged over the 25 day discharge period. The Ministry of the Environment, Conservation and Parks was notified via email prior to commencement of the discharge and on the day the discharge ended.

2020 Fall Cell Contents (Pre-discharge)			
05-Oct-20	CBOD (mg/L)	TSS (mg/L)	Total P (mg/L)
South Lagoon Cell Contents	4.00	2.00	0.03
North Lagoon Cell Contents	4.00	2.00	0.05

All analytical effluent concentration results were below the maximum acceptable concentrations as specified in the facilities Certificate of Approval. A summary of the discharge data is below.

<b>Tweed Combined (Outfall) Lagoon Fall Discharge</b>	<b># of grab samples taken</b>	<b>Actual Seasonal Average Concentration</b>	<b>Seasonal Average Limits</b>	<b>Compliant Y/N</b>
CBOD5	5	5.20 mg/L	25 mg/L	Y
Total Suspended Solids	5	11.0 mg/L	25 mg/L	Y
Total Phosphorus	5	0.11 mg/L	1.00 mg/l	Y
pH	5	7.80 – 8.40	6.0-9.50	Y
Temperature	5	7.8 °C	No Limit	Not Applicable
Total Ammonia Nitrogen (TAN)	5	3.8 mg/L	No Limit	Not Applicable
H <sub>2</sub> S	5	<0.02 mg/L	No Limit	Not Applicable
Unionized Ammonia NH <sub>3</sub>	5	0.028 mg/L	No Limit	Not Applicable
E.coli	5	2,317 cfu/100ml	No Limit	Not Applicable
Toxicity - Daphnia Magna	1	0% Mean Mortality	50%	Y
Toxicity - Rainbow Trout	1	0% Mean Mortality	50%	Y

The lagoons operated both adequately and successfully with respect to operation of the wastewater treatment process. There were no exceedances with respect to effluent concentration during the 2020 reporting period .

**ECA CONDITION 10(5)(B)** *a description of any operating problems encountered and corrective actions taken;*

The following is a description of significant operating problems which occurred during 2020, and corrective actions taken.

#### 2020 Tweed WSP Operational Challenges

<b>CHALLENGES</b>	<b>CORRECTIVE ACTIONS</b>
High flows in January due to heavy rain events	Adjusted processes accordingly
River St. SPS Pumps Air Locked and caused a bypass event	A pressure transducer was installed to run the pumps
Pumps air locked in July and September	The milltronic head was changed and then a low level float was installed.

**ECA CONDITION 10(5)(C)** *a summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the Works;*

OCWA uses a risk-based preventative maintenance framework that ensures assets are maintained to manufacturer's and/or industry standards. Maintenance is completed using various tools and operational supports



OCWA uses a Workplace Maintenance System (WMS). WMS is a maintenance tracking system that can generate work orders as well as give summaries of completed and scheduled work. During the year, the operating authority at the facility generates scheduled work orders on a weekly, monthly, quarterly and annual basis. The service work is recorded in the work order history. This ensures routine and preventive maintenance is carried out.

Preventative Maintenance/Weekly Work Orders Completed	106
Operational Maintenance Work Orders Completed	27
Capital Maintenance Work Orders Completed	11

Capital projects are listed and provided to the Municipality of Tweed in the form of a "Capital Forecast". This list is developed by facility staff and provides recommendations for facility components requiring upgrading or improvement. Annual and Emergency repair/maintenance is listed below:

- Annual Diesel Inspection
- Annual Wet Well Clean-outs
- Pressure Transmitter installed at River St.

ECA CONDITION 10(5)(D) a summary of any effluent quality assurance or control measures undertaken in the reporting period;

Effluent control measures include in-house sampling and testing for operational parameters such as suspended solids, pH, soluble phosphorus, and dissolved oxygen. In-house testing provides real time results which are then used to enhance process and operational performance. All in-house sampling and analysis are performed by certified operations staff utilizing approved methods and protocols for sampling, analysis and recording as specified in the Ministry's Procedure F-10-1, "Procedures for Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works", the Ministry's publication, "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater" and the publication, "Standard Methods for the Examination of Water and Wastewater".

All final effluent samples collected during the reporting period to meet ECA sampling requirements were submitted to SGS Lakefield Research Ltd. laboratory for analysis, with the exception of in-house lagoon quality monitoring. SGS Lakefield Research has been deemed accredited by the Canadian Association of Environmental and Analytical Laboratories (C.A.E.A.L.), meeting strict provincial guidelines including an extensive quality assurance/quality control program. By choosing this laboratory, the Ontario Clean Water Agency is ensuring appropriate control measures are undertaken during sample analysis.

ECA CONDITION 10(5)(E) a summary of the calibration and maintenance carried out on all effluent monitoring equipment;

As stated earlier, the Ontario Clean Water Agency's maintenance activities are based on a computerized Work Management System (WMS) using the Maximo application. The WMS is a proactive maintenance system, based on detailed risk assessment with respect to process.

The WMS database automatically populates work orders and schedules for the calibration and maintenance of a wide variety of equipment. The WMS also automatically tracks each individual maintenance event, calibration of all meters and certification of all devices.

Calibration and maintenance of the onsite flow measuring devices are calibrated by a certified third party qualified technician and performed on annual basis.

#### Flow meter and Chart Recorder

Calibration Date: May 5, 2020

Work Performed By: Tower Electronics Inc.

**ECA CONDITION 10(5)(F)** a description of efforts made and results achieved in meeting the Effluent Objectives of Condition 5.

Condition 5 - Effluent Objectives, states "The Owner shall use best efforts to design, construct and operate the Works with the objective that the concentrations of the materials named below as effluent parameters are not exceeded in the effluent from the Works."

EFFORTS MADE TO MEET THE EFFLUENT OBJECTIVES OF CONDITION 5
Sampling effluent as per ECA.
Visually inspecting effluent when performing rounds during spring/fall discharge
Ensuring that alum is being dosed
Ensuring proper operation of River and Jamison Street Pump Stations
Perform inspection of lagoon quality during operation
Calibrating pH/DO probes during spring/fall discharge.
Annual calibration of influent flow meter.

Tabulated below is a summary of the ECA effluent objectives, specified in Condition 5(1), in comparison to the actual effluent results obtained during the reporting period.

Tweed Lagoons - Effluent Objectives - 2020 (per ECA No. 9608-9ZLJ2E , Condition 5(1) & (2(a))			
Effluent Parameter	ECA Effluent Objective Concentration	Actual Spring Discharge Average Concentration – Outfall	Actual Fall Discharge Average Concentration - Outfall
CBOD <sub>5</sub>	20 mg/L	7.85	5.20
Suspended Solids	20 mg/L	8.71	11.0
Total Phosphorus	0.8 mg/L	0.06	0.11
pH	Min: 6.50 Max: 8.50	Min: 7.70 Max: 8.50	Min: 7.80 Max: 8.40

The following table provides a comparison of the rated capacity of the works to the actual flow data obtained during the 2020 reporting period.



Tweed Lagoons – Influent Capacity Flow Data for 2020 (per ECA No. 9608-9ZLJ2E , Condition 5(2)(b))		
Month	Avg. Daily Flow (m <sup>3</sup> )	ECA Rated Capacity (m <sup>3</sup> )
January	1,026	1,209
February	622	1,209
March	1,559	1,209
April	1,133	1,209
May	815	1,209
June	555	1,209
July	496	1,209
August	530	1,209
September	555	1,209
October	602	1,209
November	614	1,209
December	953	1,209

The above table shows that the Tweed Influent rated capacity was exceeded during the month of March. The high flows were attributed to the significant amount of rainfall throughout the reporting period. Although the rated capacity was exceeded the effluent quality remained well below the effluent concentration requirements.

The Ontario Clean Water Agency, on behalf of the owner, did use best efforts to ensure that the effluent was essentially free of floating and settleable solids and that it did not contain oil or any other substance in amounts sufficient to create a visible film, sheen, foam or discolouration on the receiving waters in accordance with this **objective**.

**ECA CONDITION 10(5)(g)** *a tabulation of the volume of sludge generated in the reporting period, an outline of anticipated volumes to be generated in the next reporting period and a summary of the locations to where the sludge was disposed.*

There was no generation of sludge for the reporting period. It is anticipated that the volume for the next reporting period will be similar to the 2020 reporting period.

Tweed WWTF		
Year	Total Raw Sewage Flow (m <sup>3</sup> )	Volume of Sludge Hauled (m <sup>3</sup> )
2008	418,081	12,880
2009	502,948	0.00
2010	381,500	0.00
2011	407,431	0.00
2012	313,693	0.00
2013	357,607	0.00
2014	421,576	0.00

2015	341,988	0.00
2016	339,399	0.00
2017	419,644	0.00
2018	328,939	0.00
2019	316,193	0.00
2020	289,373	0.00

ECA CONDITION 10(5)(H) a summary of any complaints received during the reporting period and any steps taken to address the complaints;

There were no Community Complaints received for the 2020 reporting period

ECA CONDITION 10(5)(I) a summary of all By-pass, spill or abnormal discharge events;

Summarized below are the bypass and overflow events that occurred in the 2020 reporting period. There was one Bypass/Overflow Event in the reporting period of 2020.

Summary of Bypass and Overflow Events - 2020									
Date 2020	Location	Type of Event	Start Time (24hr)	End Time (24hr)	Duration (hrs)	Total Volume (m3)	Disinfect (Y/N)	Samples Collected (Y/N)	Reason
March 8	River Street SPS	Bypass	13:56	16:56	3hrs	187	Y	N	Raw Sewage pumps air locked

ECA CONDITION 10(5)(J) A copy of all Notice of Modifications submitted to the Water Supervisor as a result of Schedule B, Section 1, with a status report on the implementation of each modification.

There was no "Notice of Modifications" submitted to the Water Supervisor for the year 2020.

ECA CONDITION 10(5)(K) a report summarizing all modifications completed as a result of Schedule B, Section 3:

As per Schedule B, Section 3, a repair is considered a normal or emergency operational modification, that does not require Notice of Modification; is defined as "Normal or emergency operational modifications, such as repairs, reconstructions, or other improvements that are part of maintenance activities, including cleaning, renovations to existing approved sewage works equipment, provided that the modification is made with Equivalent Equipment, are considered pre-approved".

There were no modifications completed as a result of Schedule B Section 3 for the year 2020.



ECA CONDITION 10(5)(L) any other information the Water Supervisor requires from time to time.

The Water Supervisor has not requested any other information to be included in this report at this time

### Wastewater System Effluent Regulations

The Wastewater Systems Effluent Regulations (WSER) is a federal wastewater regulation under the Fisheries Act that was released in July 2012 but not in effect until January 1, 2013.

These regulations apply to a wastewater system that:

- Is designed to collect an average daily volume (ADV) of 100m<sup>3</sup> or more of influent, or
- Collects an average daily volume (ADV) of 100m<sup>3</sup> or more of influent during any calendar year.

An owner or operator must calculate, for each calendar year, the Average Daily Volume of effluent deposited via the system's final discharge point according to the following formula:

$$\text{Sum of daily effluent volumes deposited (m}^3\text{)} \div \text{number of days in that calendar year (365 days)}$$

**Note:** The formula uses the number of days in the calendar year not the number of days discharging.

Sampling and reporting requirements are dependent on the system type and its annual average daily volume of effluent. In 2020 The Tweed Wastewater Treatment Lagoon deposited approximately 722.9 m<sup>3</sup> of daily effluent volumes.

The Annual Monitoring Report (due by February 14 each year) was submitted to Environment Canada in February 2020. The Tweed Lagoon met all of the quality standards in 2020.

#### Monitoring Report

**Effluent Monitoring Data:** Tweed Wastewater Treatment Lagoon

**System Type:** Intermittent      **Reporting Period:** Annually      **Avg Daily Effluent:** 722.9 m<sup>3</sup>

**Averaging Period:** Annually      **Reporting Period:** January - December      **Reporting Year:** 2020

Was effluent deposited in this reporting period? Yes

For each month indicated, was effluent deposited?

January:	No	February:	No	March:	Yes
April:	Yes	May:	Yes	June:	No
July:	No	August:	No	September:	No
October:	No	November:	Yes	December:	Yes

# of days effluent was deposited? (days)	Total Volume of Effluent deposited? (m <sup>3</sup> )	Average CBOD (mg/L)	Average SS (mg/L)
		Limits	
		25	25
69	289,373	7.00	11.40

**Appendix I**

**Lagoon Summary Reports  
for the  
Tweed Lagoons**

**2020**



Facility: [5062] TWEED WASTEWATER  
TREATMENT LAGOON  
Works: [120000952]

	01/2020	02/2020	03/2020	04/2020	05/2020	06/2020	07/2020	08/2020	09/2020	10/2020	11/2020	12/2020	<--Total-->	<--Avg.-->	<--Max.-->
Flows:															
Raw Flow: Total - Raw (m³)	31824.00	18048.00	48358.00	34002.00	25292.00	16662.00	15397.00	16430.00	16700.00	18687.00	18424.00	29549.00	289373.00		
Raw Flow: Avg - Raw (m³/d)	1026.58	622.34	1559.94	1133.40	815.87	555.40	496.68	530.00	556.67	602.81	614.13	953.19		788.92	
Raw Flow: Max - Raw (m³/d)	2661.00	811.00	2405.00	1846.00	1457.00	647.00	951.00	1170.00	754.00	813.00	995.00	1456.00			2661.00
Eff. Flow: Total - Effluent Combined (m³)			33040.00	99120.00	13216.00						104370.00	14910.00	264656.00		
Eff. Flow: Avg - Effluent Combined (m³/d)			3304.00	3304.00	3304.00						4970.00	4970.00		3970.40	
Eff. Flow: Max - Effluent Combined (m³/d)			3304.00	3304.00	3304.00						4970.00	4970.00			4970.00
Carbonaceous biochemical Oxygen Demand, CBOD:															
Eff: Avg cBOD5 - Effluent Combined (mg/L)			14.500	6.000	2.000						4.500	8.000		7.000	14.500
Eff: # of samples of cBOD5 - Effluent Combined (mg/L)			2	4	1						4	1	12		
Loading: cBOD5 - Effluent Combined (kg/d)			47.908	19.824	6.608						22.365	39.760		27.293	47.908
Biochemical Oxygen Demand: BOD5:															
Raw: Avg BOD5 - Raw (mg/L)	53.000	59.000	16.000	96.000	80.000	138.000	184.000	167.000	130.000	154.000	193.000	133.000		116.917	193.000
Raw: # of samples of BOD5 - Raw (mg/L)	1	1	1	1	1	1	1	1	1	1	1	1	12		
Total Suspended Solids: TSS:															
Raw: Avg TSS - Raw (mg/L)	74.000	83.000	272.000	127.000	78.000	189.000	136.000	292.000	209.000	202.000	224.000	128.000		167.833	292.000
Raw: # of samples of TSS - Raw (mg/L)	1	1	1	1	1	1	1	1	1	1	1	1	12		
Eff: Avg TSS - Effluent Combined (mg/L)			17.000	5.500	5.000						8.500	21.000		11.400	21.000
Eff: # of samples of TSS - Effluent Combined (mg/L)			2	4	1						4	1	12		
Loading: TSS - Effluent Combined (kg/d)			56.168	18.172	16.520						42.245	104.370		47.495	104.370
Percent Removal: TSS - Effluent Combined (mg/L)			93.750	95.669	93.590						96.205	83.594			96.205
Total Phosphorus: TP:															
Raw: Avg TP - Raw (mg/L)	1.060	1.610	0.770	1.660	1.220	2.630	3.420	2.640	2.380	3.050	2.940	2.330		2.143	3.420
Raw: # of samples of TP - Raw (mg/L)	1	1	1	1	1	1	1	1	1	1	1	1	12		
Eff: Avg TP - Effluent Combined (mg/L)			0.105	0.045	0.040						0.090	0.180		0.092	0.180
Eff: # of samples of TP - Effluent Combined (mg/L)			2	4	1						4	1	12		
Loading: TP - Effluent Combined (kg/d)			0.347	0.149	0.132						0.447	0.895		0.394	0.895
Percent Removal: TP - Effluent Combined (mg/L)			86.364	97.289	96.721						96.939	92.275			97.289
Nitrogen Series:															
Raw: Avg TKN - Raw (mg/L)	10.400	16.000	8.100	14.600	15.400	26.900	29.500	26.700	27.900	28.100	29.500	25.600		21.558	29.500
Raw: # of samples of TKN - Raw (mg/L)	1	1	1	1	1	1	1	1	1	1	1	1	12		
Eff: Avg TAN - Effluent Combined (mg/L)			8.700	4.050	1.100						2.875	7.600		4.865	8.700
Eff: # of samples of TAN - Effluent Combined (mg/L)			2	4	1						4	1	12		
Loading: TAN - Effluent Combined (kg/d)			28.745	13.381	3.634						14.289	37.772		19.564	37.772
Disinfection:															
Eff: GMD E. Coli - Effluent Combined (cfu/100mL)			2939.388	171.122	32.000						542.161	880.000		912.934	2939.388
Eff: # of samples of E. Coli - Effluent Combined (cfu/100mL)			2	4	1						4	1	12		

**Appendix II**  
**Bypass Notifications**  
**2020**



March 10, 2020  
Mahmod Mahmod  
Acting Water Compliance Supervisor  
Kingston District Office - Ministry of the Environment, Conservation, and Parks  
1259 Gardiners Road  
Kingston, Ontario K7M 8S5

Dear Mahmod;

**Re: Notification of Bypass – Tweed River Street Sewage Pumping Station (SPS)**

On the behalf of the Municipality of Tweed the Ontario Clean Water Agency would like to provide written notification of a bypass event that took place at Tweed Wastewater Treatment Facility – River Street SPS. This notification is submitted in accordance with terms and conditions of Environmental Compliance Approval (ECA) #9608-9ZLJ2E, and provisions of the Ontario Water Resources Act and Environmental Protection Act. This written notice confirms the verbal notification provided on March 8, 2020 to the MECP Spills Action Centre for the River Street SPS bypass.

The following table provides the required information in accordance with terms and conditions of Environmental Compliance Approval (ECA) # 9608-9ZLJ2E:

Location of Event:	<i>Tweed Wastewater Treatment Facility – River Street SPS</i>		
Waterworks #	<i>120000952</i>		
Date Started:	<i>March 8 2020</i>	Time Started:	<i>13:56</i>
Samples Collected* (yes/no):	<i>Yes</i>	Date Collected:	<i>March 8 2020</i>
Date Ended:	<i>March 8 2020</i>	Time Ended:	<i>16:56</i>
Estimated Volume By-passed (m <sup>3</sup> ):	<i>187 m<sup>3</sup></i>		
Total time of event (hrs):	<i>3hrs</i>		
Reference or Incident #	<i>6212-BMHTCA</i>		

20 Private Road, RR # 2  
Marmora, ON  
K0K 2M0  
Phone: (613) 472-2131  
Fax: (613) 472-6045  
www.ocwa.com

**Comments/Actions Taken:**


The raw sewage pumps at River St SPS had become air locked, preventing the pumps from producing adequate flow which initiated the bypass event.

The bypass commenced on March 8 2020 at 13:56, the operator arrived onsite and collected samples as per ECA. Chlorine Pucks were added to the bypass to maintain adequate disinfection. The bypass event ceased at 16:56 on March 8 2020. Analytical results will be available upon request once received by this office.

The Ontario Clean Water Agency provided notification to the MECP SAC, The Municipality of Tweed, and the Medical Officer of Health.

Should you have any questions and/or concerns please do not hesitate to contact me directly.

Sincerely,



Natalie Iezzi  
Process & Compliance Technician  
Trent Valley Hub, OCWA

cc: Gloria Raybone, CAO/Clerk-Treasurer, Municipality of Tweed  
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