



March 28, 2023

Municipality of West Grey
402813 Grey Road 4
RR#2
Durham, ON
N0G 1R0

Attention: Geoff Aitken, Public Works Director

**RE: Durham Wastewater System
2022 Annual Report**

The 2022 Annual Operations Report for the Durham Wastewater Treatment Facility is enclosed. The report is prepared in accordance with Environmental Compliance Approval Number 1610-AUQKU7 (issue date: June 29, 2018) annual report criteria and contains the following required components:

- A summary and interpretation of all influent monitoring data and a review of the historical trend of the sewage characteristics and flow rates;
- A summary and interpretation of all final effluent monitoring data, including concentration, flow rates, loading and a comparison to the design objectives and compliance limits in the ECA, including an overview of the success and adequacy of the works;
- A summary of any deviation from the monitoring schedule and reasons for the current reporting year and a schedule for the next reporting year;
- A summary of all operating issues encountered and corrective actions taken;
- A summary of all normal and emergency repairs and maintenance activities carried out on any major structure, equipment, apparatus, mechanism or thing forming a part of the Works;
- A summary of any effluent quality assurance or control measures undertaken;
- A summary of the calibration and maintenance carried out on all effluent monitoring equipment to ensure that the accuracy is within the tolerance of that equipment as required in the ECA or recommended by the manufacturer;
- A summary of efforts made to achieve the design objectives, including an assessment of the issues and recommendations for pro-active actions, if any are required either when any of the design objectives are not achieved more than 50% of the time in a year, or there is an increasing trend in deterioration of final effluent quality; or when the annual average daily influent flow reaches 80% of the rated capacity;
- A tabulation of the volume of sludge generated, 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;
- A summary of any complaints received and any steps taken to address the complaints;
- A summary of all bypass, overflows and spills
- A summary of all Notice of Modifications to Sewage Works
- A summary of efforts made to achieve conformance with Procedure F-5-1
- Any changes or updates to the schedule for the completion of construction and commissioning operation of major process(es)/equipment groups (if required)

On behalf of the municipality, a copy of this report is being sent to the MECP – Owen Sound District Office. If you have any questions, please direct your comments or concerns to the undersigned.

Sincerely,

VEOLIA WATER CANADA INC.

A handwritten signature in black ink, appearing to read 'G Prangley', is written over a light blue horizontal line.

Greg Prangley
Project Manager

Veolia North America

555 Rene-Levesque Blvd W Suite 1450
Montreal, QC H2Z 1B1

www.Veolianorthamerica.com

1. Summary and Interpretation of Monitoring Data

The 2022 annual average daily flow was estimated to be 0.706 MLD (706m³/d) and represents approximately 32% of the design capacity for the treatment facility (2,184 m³/day or 2.184 ML/d). This is about a 5% decrease from the 2021 flows (0.745MLD). It is very close to the five year historical daily average (697m³/d). The maximum daily flow was recorded as 2.141 ML, which occurred on March 17. These high flows were due to heavy precipitation and snowmelt from mild temperatures.

The monthly monitoring data and analytical data are summarized in the monthly wastewater reports (R forms) for January to December 2022 (attached). The 2022 Annual Compliance Summary is also attached.

A table showing the effluent parameter limits in comparison with plant concentrations is as follows:

Effluent Parameter	Annual Average Concentration mg/L	Concentration Limit mg/L	Annual Average Loading kg/d	Loading Limit kg/d
CBOD ₅	4.1	25	3.0	54.6
Suspended Solids	7.7	25	5.4	54.6
Total Ammonia Nitrogen				
Jan 1-May 14	0.12	10	0.10	21.8
May 15-Oct 15	0.05	8	0.03	17.5
Oct 16-Dec 31	6.73	10	4.11	21.8
Total Phosphorus	0.50	1.0	0.36	2.2
Total Chlorine Residual*	0.00	0.20	n/a	-

* no longer disinfecting with chlorine. UV system installed in 2018

In December 2022, the effluent ammonia concentration was exceeded due to a failure of one of the aerators. Despite attempts to reintroduce sufficient air in an alternate fashion, the ammonia could not be reduced to levels to meet compliance. This event was reported to the MECP as required.

February E. coli exceeded the regulatory limit due to cold temperatures and because the system was only running on one process train due to maintenance needs

2. Monitoring Schedule

In 2022, every effort was made to collect monthly raw samples on the first Monday of each month, though for logistical, operational reasons or stat holidays, there were four months in which this was not achieved. Samples in 2023 will be collected on the first Tuesday of each month.

3. Operational Problems

One clarifier down for January, much of February, several weeks in Q3 and through parts of Q4 for maintenance (usually clarifier chains) but the system is typically able to process the flows in one train as long as they are not too high

Periodic issues with UV disinfection system. Breaker and sensor line failures in May. Dewar Electric changed breaker

Total phosphorus levels were high for much of July. Some process changes implemented (bringing second clarifier online, increasing alum dosage) to bring TP monthly concentration within limits

South aerator failed in December. Gearbox needs to be rebuilt or replaced. Temporary pump being used to circulate/aerate but it is not adequate and dissolved oxygen levels are much lower than normal. This was the cause of the ammonia non-compliance in December.

4. Maintenance Summary

Sewage pumps removed and cleaned as required

Backflush raw sewage pumps bi-weekly

Regular maintenance on UV system

Installed new lift station sump pump, repaired seized check valve at discharge end

Blower oil changed

New backup effluent flow meter installed

Repaired leaking isolation valve and replaced bar screen in Durham lift station

Replaced chain in sludge holding tank

Changed out wasting valve for sludge tank #1

Replace check valve in north clarifier

Cross collector chains in south clarifier repaired/replaced

Submersible supernatant pump automatic control repaired

Caldecott rebuilt Flygt scraper guide system on north clarifier

The operator(s) performed routine maintenance throughout the year and regular preventative maintenance procedures to all equipment (i.e. monthly cleaning of aeration agitators and monthly generator testing. Regular safety checks were also completed.

Effluent flow meter calibrations conducted in Q1 2022

Bi-annual wet well cleanouts conducted

5. Effluent Quality Assurance/Quality Control

The effluent sample is a 24-hour composite sample taken by an autosampler.

On a monthly basis, influent (raw) samples were sent to SGS Laboratories (SGS) for total suspended solids (TSS), biochemical oxygen demand (BOD₅), TKN and total phosphorus (TP).

On a monthly basis (minimum) effluent samples were sent to SGS for BOD, TSS, TP, total ammonia, nitrite, nitrate and E. coli. The operator also conducts in-house DO, pH and temperature analysis and records the results on the facility's operations sheet.

Veolia also requires some VSS and COD sampling on raw and final samples

6. Calibration/Maintenance Procedures

In order to ensure proper plant operation and avoid possible environmental problems, the alarm dial-out system is tested regularly.

All probes and sensors used in the process are cleaned, maintained and/or calibrated on an as-required basis.

SGS Laboratories is used for the required analytical chemical and biological testing of influent (raw) and effluent from the wastewater treatment facility.

7. Effluent Objectives

The annual compliance table can be found on page 4 of this document and includes comparisons to Objective concentrations identified in the ECA.

The TSS and E.coli objectives were exceeded in February. The single sample TSS result was 19.0mg/L (objective is 15.0mg/L). This was because the system was down to one clarifier for most of the month. This is also the reason for the E. coli exceedance. The UV disinfection system was unable to effectively treat the more turbid water. The ammonia objective (and compliance limit) was exceeded in December as explained in Section 3 above.

Otherwise, the rest of the months were well within the objective limits.

The effluent pH was maintained between 6.5 and 9.0 at all times.

8. Sludge Management

Waste activated sludge is pumped to either of two on-site aerobic holding tanks. The sludge is thickened on-site and hauled directly to Lystek by a licensed hauler.

The total volume of sludge transferred from the WWTP in 2022 was approximately 2198m³ which is almost the same as in 2021. Typically anywhere from 160m³ to 250m³ is removed each month. It is expected that the 2023 amount may be a little higher due to the issue with the aerator in December.

Sludge sampling and analysis is conducted by the hauler.

9. Complaints Summary

No complaints were received.

10. Summary of By-pass, Spill or Abnormal Events

No bypasses in 2022

11. Modifications to Sewage Works

New backup effluent flow meter was installed

12. System Conformance to Procedure F-5-1

System complied with all system criteria in 2022.

No other system changes were implemented after the new ECA was made effective in June 2018

13. Updates to Proposed Works

Backup effluent flow meter installed at effluent outfall pipe to the Saugeen River

Municipality of West Grey
Durham Wastewater Treatment Plant

2022	FLOWS, m³			BOD/CBOD5			TSS			TOTAL PHOS			TKN	Ammonia			pH		E Coli
Month	Total Flow	Avg Day, m³	Max Day, m³	Raw BOD mg/L	Final CBOD mg/L	CBOD Loading kg/d	Raw TSS mg/L	Final TSS mg/L	TSS Loading kg/d	Raw Total P mg/L	Final Total P mg/L	Total P Loading kg/d	Raw mg/L	Final mg/L May 15-Oct 15	Final mg/L Oct 16-May 14	Final NH3 loading	min	max	Geomean cnts/100 mL
1	18,271	589	786	319.0	3.0	1.8	324.0	5.0	2.9	5.68	0.13	0.08	44.1	n/a	0.05	0.03	7.27	7.37	110
2	19,571	699	1,332	179.0	10.0	7.0	229.0	19.0	13.3	3.38	0.42	0.29	28.2	n/a	0.20	0.14	7.21	7.29	4,874
3	32,969	1,064	2,141	272.0	9.0	9.6	272.0	8.0	8.5	4.70	0.76	0.81	44.4	n/a	0.20	0.21	7.36	7.43	170
4	26,724	891	1,110	167.0	1.0	0.9	172.0	4.0	3.6	3.12	0.41	0.37	26.2	n/a	0.10	0.09	6.89	7.59	24
5	20,719	668	800	125.0	1.0	0.7	185.0	6.0	4.0	3.35	0.81	0.54	29.6	n/a	0.05	0.03	7.32	7.38	10
6	22,899	763	997	258.0	1.0	0.8	180.0	5.0	3.8	5.23	0.79	0.60	36.8	0.05	n/a	0.04	7.22	7.35	7
7	21,032	678	771	433.0	4.0	2.7	527.0	5.0	3.4	7.20	0.77	0.52	56.6	0.05	n/a	0.03	6.84	7.49	70
8	21,290	687	931	291.0	1.0	0.7	202.0	8.0	5.5	3.95	0.33	0.23	47.5	0.05	n/a	0.03	7.29	7.45	62
9	18,125	604	787	151.0	2.0	1.2	176.0	2.0	1.2	5.40	0.35	0.21	41.5	0.05	n/a	0.03	7.32	7.43	19
10	18,768	605	700	296.0	1.0	0.6	270.0	10.0	6.1	4.28	0.21	0.13	37.2	0.05	n/a	0.03	7.34	7.53	2
11	18,430	614	790	305.0	3.0	1.8	150.0	6.0	3.7	4.43	0.16	0.10	37.8	n/a	0.05	0.03	7.07	7.54	192
12	18,955	611	909	252.0	12.8	7.8	200.0	14.3	8.7	4.49	0.82	0.50	41.3	n/a	13.40	8.19	7.51	7.72	49
Average	21,479	706		254.0	4.1	3.0	240.6	7.7	5.4	4.60	0.50	0.36		n/a	2.01	0.74			
C of A Limit		2,184			25.0	54.6		25.0	54.6		1.0	2.2		8.0	10.0	17.5	6.0	9.5	
Objective					15.0	32.8		15.0	32.8		1.0	2.2		6.0	6.0	13.1	6.5	9.0	200.0
Compliance		YES			YES	YES		YES	YES		YES	YES		YES	NO	YES	YES		

Fields marked with an asterisk (*) are mandatory.

Project Name
Durham WWTP

Facility Address

Unit Number	Street Number	Street Name	PO Box
	455	Saddler St W	
Municipality/City/Town		Province	Postal Code
Durham (Municipality of West Grey)		ON - Ontario	
Operating Authority			
Veolia Water Canada Inc.			

Mailing Address

Unit Number	Street Number	Street Name	PO Box
1450	555	Rene-Levesque Blvd West	
Municipality/City/Town		Province	Postal Code
Montreal		QC - Quebec	H2Z 1B1

File No.	Works Number *	Data Period *	Days	Discharge Type	Update Code
4 6	1 1 0 0 0 0 9 9 9	Month Year 0 1 2 0 2 2	3 1	2	R
1 2	3 11	16 19	20 21	22	80

C.P.					
0 1	Flows				
12 13	Total Flow	(10 ³ m ³)	Parameter Code	Dec.	Monthly Results
	Average Daily Flow	(10 ³ m ³ /d)	50010	3	18.271
	Maximum Daily Flow	(10 ³ m ³ /d)	50015	3	0.589
			50020	3	0.786
			30 34	35	38
2 6	Bypass				# of Occurrences
12 13	Plant Bypass Volume	(10 ³ m ³)	50026	3	0
	Duration	(hours)	80563	1	
	Secondary Bypass Volume	(10 ³ m ³)	50040	3	0
	Duration	(hours)	80565	1	
			30 34	35	38
0 3	Raw Sewage				# of Samples
12 13	BOD ₅	(mg/L)	00001	0	319
	Suspended Solids	(mg/L)	00006	0	324
	TKN	(mg/L)	00020	2	44.10
	Total Phosphorus	(mg/L)	00033	1	5.7
			30 34	35	38
0 4	Final Effluent				
12 13	BOD ₅	(mg/L)	00001	1	
	CBOD ₅	(mg/L)	00002	1	3.0
	Suspended Solids	(mg/L)	00006	1	5.0
	Ammonia + Ammonium	(mg/L)	00019	2	0.05
	TKN	(mg/L)	00020	2	
	Total Phosphorus	(mg/L)	00033	2	0.13
			30 34	35	38
0 7	Disinfection				
12 13	Chlorine Used	(kg as Cl ₂)	50100	1	
	Chlorine Dosage	(mg/L as Cl ₂)	80410	1	
	Chlorine Residual	(mg/L as Cl ₂)	80420	1	
			30 34	35	38

Operator Telephone Number
519-369-6655

Operator Email Address *
fei.xue@veolia.com

Comments

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File No.	Works Number *	Data Period *	Days	Discharge Type	Update Code
		Month Year			
4 6	1 1 0 0 0 0 9 9 9	0 1 2 0 2 2	3 1	2	R
1 2	3 11	16 19	20 21	22	80

[illegible]

0	4	Final Effluent	Parameter Code	Dec	Monthly Average Results	# of Samples
12	13	Alkalinity, Total (mg/L)	00051	4		
		Conductivity 25°C (µS/cm)	91004	4		
		E. Coli (CT/100ml)	91000	4	110.0000	1
		Nitrate, Unfiltered reactive (mg/L)	00022	4		
		Nitrite, Unfiltered reactive (mg/L)	00021	4		
		pH	80770	4	7.3300	4
		Temperature, Water (°C)	80250	4	2.5000	4
		Un-ionized Ammonia (mg/L)	91012	4	0.0002	1
		Dissolved Oxygen (mg/L)	00003	4		
		Hydrogen Sulphide (mg/L)	83008	4		
		Total COD (mg/L)			8.0000	1

Operator Telephone Number
519-369-6655

Operator Email Address
fei.xue@veolia.com

Comments

Return completed form to:

1. Environmental Monitoring and Reporting Branch, MECP, at WasteWaterReporting@ontario.ca And
2. Your Environmental Officer at your local District/Area MECP Office. (Find your local MECP office: <https://www.ontario.ca/environment-and-energy/ministry-environment-district-locator>)

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File No.	Works Number *								Data Period *				Days	Discharge Type	Update Code				
4 6	1	1	0	0	0	0	9	9	9	0	2	2	0	2	2	2	8	2	R
1 2	3								11	16					19	20	21	22	80

C.P.		0 1		Flows		Parameter Code		Dec.	Monthly Results	
12	13	Total Flow	(10 ³ m ³)	50010	3	19.571				
	Average Daily Flow	(10 ³ m ³ /d)	50015	3	0.699					
	Maximum Daily Flow	(10 ³ m ³ /d)	50020	3	1.332					
				30	34	35	38			
2 6		Bypass				# of Occurrences				
12	13	Plant Bypass Volume	(10 ³ m ³)	50026	3		0			
	Duration	(hours)	80563	1						
	Secondary Bypass Volume	(10 ³ m ³)	50040	3						
	Duration	(hours)	80565	1						
				30	34	35	38			
0 3		Raw Sewage				# of Samples				
12	13	BOD ₅	(mg/L)	00001	0	179	1			
	Suspended Solids	(mg/L)	00006	0	229	1				
	TKN	(mg/L)	00020	2	28.20	1				
	Total Phosphorus	(mg/L)	00033	1	3.4	1				
				30	34	35	38			
0 4		Final Effluent								
12	13	BOD ₅	(mg/L)	00001	1					
	CBOD ₅	(mg/L)	00002	1	10.0	1				
	Suspended Solids	(mg/L)	00006	1	19.0	1				
	Ammonia + Ammonium	(mg/L)	00019	2	0.20	1				
	TKN	(mg/L)	00020	2						
	Total Phosphorus	(mg/L)	00033	2	0.42	1				
				30	34	35	38			
0 7		Disinfection								
12	13	Chlorine Used	(kg as Cl ₂)	50100	1					
	Chlorine Dosage	(mg/L as Cl ₂)	80410	1						
	Chlorine Residual	(mg/L as Cl ₂)	80420	1						
				30	34	35	38			

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File No.	Works Number *								Data Period *						Days		Discharge Type		Update Code				
4 6	1	1	0	0	0	0	9	9	9	Month		Year											
										0	2	2	0	2	2								
1 2	3								11	16					19	20 21		22		80			

[illegible]

0	4	Final Effluent	Parameter Code	Dec	Monthly Average Results	# of Samples
12	13	Alkalinity, Total (mg/L)	00051	4		
		Conductivity 25°C (µS/cm)	91004	4		
		E. Coli (CT/100ml)	91000	4	4874.0000	2
		Nitrate, Unfiltered reactive (mg/L)	00022	4		
		Nitrite, Unfiltered reactive (mg/L)	00021	4		
		pH	80770	4	7.2700	4
		Temperature, Water (°C)	80250	4	3.7000	4
		Un-ionized Ammonia (mg/L)	91012	4	0.0007	1
		Dissolved Oxygen (mg/L)	00003	4		
		Hydrogen Sulphide (mg/L)	83008	4		
		Total COD (mg/L)			30.0000	1

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File No.	Works Number *								Data Period *				Days	Discharge Type	Update Code				
4 6	1	1	0	0	0	0	9	9	9	0	3	2	0	2	2	3	1	2	R
1 2	3								11	16					19	20	21	22	80

C.P.		0 1		Flows		Parameter Code		Dec.	Monthly Results	
12	13	Total Flow	(10 ³ m ³)	50010	3	32.969				
	Average Daily Flow	(10 ³ m ³ /d)	50015	3	1.064					
	Maximum Daily Flow	(10 ³ m ³ /d)	50020	3	2.141					
				30	34	35	38			
2 6		Bypass				# of Occurrences				
12	13	Plant Bypass Volume	(10 ³ m ³)	50026	3	0				
	Duration	(hours)	80563	1						
	Secondary Bypass Volume	(10 ³ m ³)	50040	3						
	Duration	(hours)	80565	1						
				30	34	35	38			
0 3		Raw Sewage				# of Samples				
12	13	BOD ₅	(mg/L)	00001	0	272	1			
	Suspended Solids	(mg/L)	00006	0	272	1				
	TKN	(mg/L)	00020	2	44.40	1				
	Total Phosphorus	(mg/L)	00033	1	4.7	1				
				30	34	35	38			
0 4		Final Effluent								
12	13	BOD ₅	(mg/L)	00001	1					
	CBOD ₅	(mg/L)	00002	1	9.0	1				
	Suspended Solids	(mg/L)	00006	1	8.0	1				
	Ammonia + Ammonium	(mg/L)	00019	2	0.20	1				
	TKN	(mg/L)	00020	2						
	Total Phosphorus	(mg/L)	00033	2	0.76	1				
				30	34	35	38			
0 7		Disinfection								
12	13	Chlorine Used	(kg as Cl ₂)	50100	1					
	Chlorine Dosage	(mg/L as Cl ₂)	80410	1						
	Chlorine Residual	(mg/L as Cl ₂)	80420	1						
				30	34	35	38			

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File No.	Works Number *							Data Period *			Days		Discharge Type	Update Code			
4 6	1	1	0	0	0	0	9	9	9	Month	Year		3	1	2	R	
1 2	3								11	0	3	2	0	2	2	16	19
																20	21
																22	
																	80

[illegible]

0	4	Final Effluent	Parameter Code	Dec	Monthly Average Results	# of Samples
12	13	Alkalinity, Total (mg/L)	00051	4		
		Conductivity 25°C (µS/cm)	91004	4		
		E. Coli (CT/100ml)	91000	4	170.0000	1
		Nitrate, Unfiltered reactive (mg/L)	00022	4		
		Nitrite, Unfiltered reactive (mg/L)	00021	4		
		pH	80770	4	7.3600	4
		Temperature, Water (°C)	80250	4	6.0000	4
		Un-ionized Ammonia (mg/L)	91012	4	0.0007	1
		Dissolved Oxygen (mg/L)	00003	4		
		Hydrogen Sulphide (mg/L)	83008	4		
		Total COD (mg/L)			54.0000	1

Operator Telephone Number
519-369-6655

Operator Email Address
fei.xue@veolia.com

Comments

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Project Name
Durham WWTP

Facility Address

Unit Number	Street Number	Street Name	PO Box
	455	Saddler St W	
Municipality/City/Town		Province	Postal Code
Durham (Municipality of West Grey)		ON - Ontario	
Operating Authority			
Veolia Water Canada Inc.			

Mailing Address

Unit Number	Street Number	Street Name	PO Box
1450	555	Rene-Levesque Blvd West	
Municipality/City/Town		Province	Postal Code
Montreal		QC - Quebec	H2Z 1B1

File No.	Works Number *								Data Period *				Days	Discharge Type	Update Code				
4 6	1	1	0	0	0	0	9	9	9	0	4	2	0	2	2	3	0	2	R
1 2	3								11	16					19	20	21	22	80

C.P.		0 1		Flows		Parameter Code		Dec.	Monthly Results	
12	13	Total Flow	(10 ³ m ³)	50010	3	26.724				
	Average Daily Flow	(10 ³ m ³ /d)	50015	3	0.891					
	Maximum Daily Flow	(10 ³ m ³ /d)	50020	3	1.110					
		30	34	35	38					
2 6		Bypass		# of Occurrences						
12	13	Plant Bypass Volume	(10 ³ m ³)	50026	3	0				
	Duration	(hours)	80563	1						
	Secondary Bypass Volume	(10 ³ m ³)	50040	3						
	Duration	(hours)	80565	1						
		30	34	35	38					
0 3		Raw Sewage		# of Samples						
12	13	BOD ₅	(mg/L)	00001	0	167				
	Suspended Solids	(mg/L)	00006	0	172					
	TKN	(mg/L)	00020	2	26.20					
	Total Phosphorus	(mg/L)	00033	1	3.1					
		30	34	35	38					
0 4		Final Effluent		# of Samples						
12	13	BOD ₅	(mg/L)	00001	1					
	CBOD ₅	(mg/L)	00002	1	1.0					
	Suspended Solids	(mg/L)	00006	1	4.0					
	Ammonia + Ammonium	(mg/L)	00019	2	0.10					
	TKN	(mg/L)	00020	2						
	Total Phosphorus	(mg/L)	00033	2	0.41					
		30	34	35	38					
0 7		Disinfection		# of Occurrences						
12	13	Chlorine Used	(kg as Cl ₂)	50100	1					
	Chlorine Dosage	(mg/L as Cl ₂)	80410	1						
	Chlorine Residual	(mg/L as Cl ₂)	80420	1						
		30	34	35	38					

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	455	Saddler St W	

Municipality/City/Town Durham (Municipality of West Grey)	Province ON - Ontario	Postal Code
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1450	555	Rene-Levesque Blvd West	

Municipality/City/Town Montreal	Province QC - Quebec	Postal Code H2Z 1B1
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File No.	Works Number *								Data Period *			Days		Discharge Type	Update Code		
4 6	1	1	0	0	0	0	9	9	9	Month	Year		3	0	2	R	
1 2	3								11	0	4	2	0	2	2	16	19
																20	21
																22	
																	80

[illegible]

0	4	Final Effluent	Parameter Code	Dec	Monthly Average Results	# of Samples
12	13	Alkalinity, Total (mg/L)	00051	4		
		Conductivity 25°C (µS/cm)	91004	4		
		E. Coli (CT/100ml)	91000	4	24.0000	1
		Nitrate, Unfiltered reactive (mg/L)	00022	4		
		Nitrite, Unfiltered reactive (mg/L)	00021	4		
		pH	80770	4	7.2700	4
		Temperature, Water (°C)	80250	4	8.3000	4
		Un-ionized Ammonia (mg/L)	91012	4	0.0006	1
		Dissolved Oxygen (mg/L)	00003	4		
		Hydrogen Sulphide (mg/L)	83008	4		
		Total COD (mg/L)			19.0000	1

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Montreal		QC - Quebec	H2Z 1B1

File No.	Works Number *								Data Period *				Days	Discharge Type	Update Code				
4 6	1	1	0	0	0	0	9	9	9	0	5	2	0	2	2	3	1	2	R
1 2	3								11	16					19	20	21	22	80

C.P.		0 1		Flows		Parameter Code		Dec.	Monthly Results	
12	13	Total Flow	(10 ³ m ³)	50010	3	20.719				
	Average Daily Flow	(10 ³ m ³ /d)	50015	3	0.668					
	Maximum Daily Flow	(10 ³ m ³ /d)	50020	3	0.800					
				30	34	35	38			
2 6		Bypass				# of Occurrences				
12	13	Plant Bypass Volume	(10 ³ m ³)	50026	3	0				
	Duration	(hours)	80563	1						
	Secondary Bypass Volume	(10 ³ m ³)	50040	3						
	Duration	(hours)	80565	1						
				30	34	35	38			
0 3		Raw Sewage				# of Samples				
12	13	BOD ₅	(mg/L)	00001	0	125				
	Suspended Solids	(mg/L)	00006	0	185					
	TKN	(mg/L)	00020	2	29.60					
	Total Phosphorus	(mg/L)	00033	1	3.4					
				30	34	35	38			
0 4		Final Effluent								
12	13	BOD ₅	(mg/L)	00001	1					
	CBOD ₅	(mg/L)	00002	1	1.0					
	Suspended Solids	(mg/L)	00006	1	6.0					
	Ammonia + Ammonium	(mg/L)	00019	2	0.05					
	TKN	(mg/L)	00020	2						
	Total Phosphorus	(mg/L)	00033	2	0.81					
				30	34	35	38			
0 7		Disinfection								
12	13	Chlorine Used	(kg as Cl ₂)	50100	1					
	Chlorine Dosage	(mg/L as Cl ₂)	80410	1						
	Chlorine Residual	(mg/L as Cl ₂)	80420	1						
				30	34	35	38			

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Municipality/City/Town Durham (Municipality of West Grey)	Province ON - Ontario	Postal Code
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Municipality/City/Town Montreal	Province QC - Quebec	Postal Code H2Z 1B1
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File No.	Works Number *								Data Period *			Days		Discharge Type	Update Code		
4 6	1	1	0	0	0	0	9	9	9	Month	Year		3	1	2	R	
1 2	3								11	0	5	2	0	2	2	16	19
																20	21
																22	
																	80

[illegible]

0	4	Final Effluent	Parameter Code	Dec	Monthly Average Results	# of Samples
12	13	Alkalinity, Total (mg/L)	00051	4		
		Conductivity 25°C (µS/cm)	91004	4		
		E. Coli (CT/100ml)	91000	4	10.0000	1
		Nitrate, Unfiltered reactive (mg/L)	00022	4		
		Nitrite, Unfiltered reactive (mg/L)	00021	4		
		pH	80770	4	7.4100	4
		Temperature, Water (°C)	80250	4	13.8000	4
		Un-ionized Ammonia (mg/L)	91012	4	0.0003	1
		Dissolved Oxygen (mg/L)	00003	4		
		Hydrogen Sulphide (mg/L)	83008	4		
		Total COD (mg/L)			20.0000	1

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Municipality/City/Town		Province	Postal Code
Montreal		QC - Quebec	H2Z 1B1

File No.	Works Number *	Data Period *	Days	Discharge Type	Update Code
4 6	1 1 0 0 0 0 9 9 9	Month Year 0 6 2 0 2 2	3 0	2	R
1 2	3 11	16 19	20 21	22	80

C.P.					
0 1	Flows				
12 13	Total Flow	(10 ³ m ³)	Parameter Code	Dec.	Monthly Results
	Average Daily Flow	(10 ³ m ³ /d)	50010	3	22.899
	Maximum Daily Flow	(10 ³ m ³ /d)	50015	3	0.763
			50020	3	0.997
			30 34	35 38	
2 6	Bypass				# of Occurrences
12 13	Plant Bypass Volume	(10 ³ m ³)	50026	3	0
	Duration	(hours)	80563	1	
	Secondary Bypass Volume	(10 ³ m ³)	50040	3	
	Duration	(hours)	80565	1	
			30 34	35 38	
0 3	Raw Sewage				# of Samples
12 13	BOD ₅	(mg/L)	00001	0	258
	Suspended Solids	(mg/L)	00006	0	180
	TKN	(mg/L)	00020	2	36.80
	Total Phosphorus	(mg/L)	00033	1	5.2
			30 34	35 38	
0 4	Final Effluent				
12 13	BOD ₅	(mg/L)	00001	1	
	CBOD ₅	(mg/L)	00002	1	1.0
	Suspended Solids	(mg/L)	00006	1	5.0
	Ammonia + Ammonium	(mg/L)	00019	2	0.05
	TKN	(mg/L)	00020	2	
	Total Phosphorus	(mg/L)	00033	2	0.79
			30 34	35 38	
0 7	Disinfection				
12 13	Chlorine Used	(kg as Cl ₂)	50100	1	
	Chlorine Dosage	(mg/L as Cl ₂)	80410	1	
	Chlorine Residual	(mg/L as Cl ₂)	80420	1	
			30 34	35 38	

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Project Name
Durham WWTP

Facility Address

Unit Number	Street Number 455	Street Name Saddler St W	PO Box
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Municipality/City/Town Durham (Municipality of West Grey)	Province ON - Ontario	Postal Code
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Operating Authority
Veolia Water Canada Inc.

Mailing Address

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1450	555	Rene-Levesque Blvd West	

Municipality/City/Town Montreal	Province QC - Quebec	Postal Code H2Z 1B1
------------------------------------	-------------------------	------------------------

File No.	Works Number *								Data Period *						Days		Discharge Type		Update Code				
4 6	1	1	0	0	0	0	9	9	9	Month		Year											
										0	6	2	0	2	2			3 0		2		R	
1 2	3 11								16 19						20 21		22		80				

[illegible]

0	4	Final Effluent	Parameter Code	Dec	Monthly Average Results	# of Samples
12	13	Alkalinity, Total (mg/L)	00051	4		
		Conductivity 25°C (µS/cm)	91004	4		
		E. Coli (CT/100ml)	91000	4	7.0000	1
		Nitrate, Unfiltered reactive (mg/L)	00022	4		
		Nitrite, Unfiltered reactive (mg/L)	00021	4		
		pH	80770	4	7.3000	4
		Temperature, Water (°C)	80250	4	16.7000	4
		Un-ionized Ammonia (mg/L)	91012	4	0.0003	1
		Dissolved Oxygen (mg/L)	00003	4		
		Hydrogen Sulphide (mg/L)	83008	4		
		Total COD (mg/L)			13.0000	1

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1450	555	Rene-Levesque Blvd West	
Municipality/City/Town			Province
Montreal			QC - Quebec
Postal Code			
			H2Z 1B1

File No.	Works Number *								Data Period *				Days		Discharge Type	Update Code			
									Month		Year								
4 6	1	1	0	0	0	0	9	9	9	0	7	2	0	2	2	3	1	2	R
1 2	3								11	16					19	20	21	22	80

C.P.																
0	1	Flows				Parameter Code		Dec.	Monthly Results							
12	13	Total Flow	(10 ³ m ³)	50010		3		21.032								
		Average Daily Flow	(10 ³ m ³ /d)	50015		3		0.679								
		Maximum Daily Flow	(10 ³ m ³ /d)	50020		3		0.771								
				30		34		35		38						
2	6	Bypass										# of Occurrences				
12	13	Plant Bypass Volume	(10 ³ m ³)	50026		3						0				
		Duration	(hours)	80563		1										
		Secondary Bypass Volume	(10 ³ m ³)	50040		3										
		Duration	(hours)	80565		1										
				30		34		35		38						
0	3	Raw Sewage										# of Samples				
12	13	BOD ₅	(mg/L)	00001		0		433				1				
		Suspended Solids	(mg/L)	00006		0		527				1				
		TKN	(mg/L)	00020		2		56.60				1				
		Total Phosphorus	(mg/L)	00033		1		7.2				1				
				30		34		35		38						
0	4	Final Effluent														
12	13	BOD ₅	(mg/L)	00001		1										
		CBOD ₅	(mg/L)	00002		1		2.0				1				
		Suspended Solids	(mg/L)	00006		1		5.0				1				
		Ammonia + Ammonium	(mg/L)	00019		2		0.05				1				
		TKN	(mg/L)	00020		2										
		Total Phosphorus	(mg/L)	00033		2		0.77				4				
				30		34		35		38						
0	7	Disinfection														
12	13	Chlorine Used	(kg as Cl ₂)	50100		1										
		Chlorine Dosage	(mg/L as Cl ₂)	80410		1										
		Chlorine Residual	(mg/L as Cl ₂)	80420		1										
				30		34		35		38						

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Municipality/City/Town Montreal	Province QC - Quebec	Postal Code H2Z 1B1
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File No.	Works Number *								Data Period *			Days		Discharge Type	Update Code		
4 6	1	1	0	0	0	0	9	9	9	Month	Year		3	1	2	R	
1 2	3								11	0	7	2	0	2	2	16	19
																20	21
																22	
																	80

[illegible]

0	4	Final Effluent	Parameter Code	Dec	Monthly Average Results	# of Samples
12	13	Alkalinity, Total (mg/L)	00051	4		
		Conductivity 25°C (µS/cm)	91004	4		
		E. Coli (CT/100ml)	91000	4	70.0000	1
		Nitrate, Unfiltered reactive (mg/L)	00022	4		
		Nitrite, Unfiltered reactive (mg/L)	00021	4		
		pH	80770	4	7.1800	4
		Temperature, Water (°C)	80250	4	18.9000	4
		Un-ionized Ammonia (mg/L)	91012	4	0.0003	1
		Dissolved Oxygen (mg/L)	00003	4		
		Hydrogen Sulphide (mg/L)	83008	4		
		Total COD (mg/L)			11.0000	1

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File No.	Works Number *								Data Period *				Days	Discharge Type	Update Code				
4 6	1	1	0	0	0	0	9	9	9	0	8	2	0	2	2	3	1	2	R
1 2	3								11	16					19	20	21	22	80

C.P.		0 1		Flows		Parameter Code		Dec.	Monthly Results	
12	13	Total Flow	(10 ³ m ³)	50010	3	21.290				
	Average Daily Flow	(10 ³ m ³ /d)	50015	3	0.687					
	Maximum Daily Flow	(10 ³ m ³ /d)	50020	3	0.931					
				30	34	35	38			
2 6		Bypass				# of Occurrences				
12	13	Plant Bypass Volume	(10 ³ m ³)	50026	3	0				
	Duration	(hours)	80563	1						
	Secondary Bypass Volume	(10 ³ m ³)	50040	3						
	Duration	(hours)	80565	1						
				30	34	35	38			
0 3		Raw Sewage				# of Samples				
12	13	BOD ₅	(mg/L)	00001	0	291	1			
	Suspended Solids	(mg/L)	00006	0	202	1				
	TKN	(mg/L)	00020	2	47.50	1				
	Total Phosphorus	(mg/L)	00033	1	4.0	1				
				30	34	35	38			
0 4		Final Effluent								
12	13	BOD ₅	(mg/L)	00001	1					
	CBOD ₅	(mg/L)	00002	1	1.0	1				
	Suspended Solids	(mg/L)	00006	1	8.0	1				
	Ammonia + Ammonium	(mg/L)	00019	2	0.05	1				
	TKN	(mg/L)	00020	2						
	Total Phosphorus	(mg/L)	00033	2	0.33	1				
				30	34	35	38			
0 7		Disinfection								
12	13	Chlorine Used	(kg as Cl ₂)	50100	1					
	Chlorine Dosage	(mg/L as Cl ₂)	80410	1						
	Chlorine Residual	(mg/L as Cl ₂)	80420	1						
				30	34	35	38			

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File No.	Works Number *								Data Period *			Days		Discharge Type	Update Code		
4 6	1	1	0	0	0	0	9	9	9	Month	Year		3	1	2	R	
1 2	3								11	0	8	2	0	2	2	16	19
																20	21
																22	80

[illegible]

0	4	Final Effluent	Parameter Code	Dec	Monthly Average Results	# of Samples
12	13	Alkalinity, Total (mg/L)	00051	4		
		Conductivity 25°C (µS/cm)	91004	4		
		E. Coli (CT/100ml)	91000	4	62.0000	1
		Nitrate, Unfiltered reactive (mg/L)	00022	4		
		Nitrite, Unfiltered reactive (mg/L)	00021	4		
		pH	80770	4	7.3800	4
		Temperature, Water (°C)	80250	4	19.3000	4
		Un-ionized Ammonia (mg/L)	91012	4	0.0006	1
		Dissolved Oxygen (mg/L)	00003	4		
		Hydrogen Sulphide (mg/L)	83008	4		
		Total COD (mg/L)			4.0000	1

Operator Telephone Number
519-369-6655

Operator Email Address
fei.xue@veolia.com

Comments

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Project Name
Durham WWTP

Facility Address

Unit Number	Street Number	Street Name	PO Box
	455	Saddler St W	
Municipality/City/Town		Province	Postal Code
Durham (Municipality of West Grey)		ON - Ontario	
Operating Authority			
Veolia Water Canada Inc.			

Mailing Address

Unit Number	Street Number	Street Name	PO Box
1450	555	Rene-Levesque Blvd West	
Municipality/City/Town		Province	Postal Code
Montreal		QC - Quebec	H2Z 1B1

File No.	Works Number *								Data Period *				Days	Discharge Type	Update Code				
4 6	1	1	0	0	0	0	9	9	9	0	9	2	0	2	2	3	0	2	R
1 2	3								11	16					19	20	21	22	80

C.P.		0 1		Flows		Parameter Code		Dec.	Monthly Results	
12	13	Total Flow	(10 ³ m ³)	50010	3	18.125				
	Average Daily Flow	(10 ³ m ³ /d)	50015	3	0.604					
	Maximum Daily Flow	(10 ³ m ³ /d)	50020	3	0.787					
				30	34	35	38			
2 6		Bypass				# of Occurrences				
12	13	Plant Bypass Volume	(10 ³ m ³)	50026	3	0				
	Duration	(hours)	80563	1						
	Secondary Bypass Volume	(10 ³ m ³)	50040	3						
	Duration	(hours)	80565	1						
				30	34	35	38			
0 3		Raw Sewage				# of Samples				
12	13	BOD ₅	(mg/L)	00001	0	151				
	Suspended Solids	(mg/L)	00006	0	176					
	TKN	(mg/L)	00020	2	41.50					
	Total Phosphorus	(mg/L)	00033	1	5.4					
				30	34	35	38			
0 4		Final Effluent								
12	13	BOD ₅	(mg/L)	00001	1					
	CBOD ₅	(mg/L)	00002	1	2.0					
	Suspended Solids	(mg/L)	00006	1	2.0					
	Ammonia + Ammonium	(mg/L)	00019	2	0.05					
	TKN	(mg/L)	00020	2						
	Total Phosphorus	(mg/L)	00033	2	0.35					
				30	34	35	38			
0 7		Disinfection								
12	13	Chlorine Used	(kg as Cl ₂)	50100	1					
	Chlorine Dosage	(mg/L as Cl ₂)	80410	1						
	Chlorine Residual	(mg/L as Cl ₂)	80420	1						
				30	34	35	38			

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Project Name
Durham WWTP

Facility Address

Unit Number	Street Number 455	Street Name Saddler St W	PO Box
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Municipality/City/Town Durham (Municipality of West Grey)	Province ON - Ontario	Postal Code
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Operating Authority
Veolia Water Canada Inc.

Mailing Address

Unit Number	Street Number	Street Name	PO Box
1450	555	Rene-Levesque Blvd West	

Municipality/City/Town Montreal	Province QC - Quebec	Postal Code H2Z 1B1
------------------------------------	-------------------------	------------------------

File No.	Works Number *								Data Period *			Days		Discharge Type	Update Code		
4 6	1	1	0	0	0	0	9	9	9	Month	Year		3	0	2	R	
1 2	3								11	0	9	2	0	2	2	16	19
																20	21
																22	
																	80

[illegible]

0	4	Final Effluent	Parameter Code	Dec	Monthly Average Results	# of Samples
12	13	Alkalinity, Total (mg/L)	00051	4		
		Conductivity 25°C (µS/cm)	91004	4		
		E. Coli (CT/100ml)	91000	4	19.0000	1
		Nitrate, Unfiltered reactive (mg/L)	00022	4		
		Nitrite, Unfiltered reactive (mg/L)	00021	4		
		pH	80770	4	7.3900	4
		Temperature, Water (°C)	80250	4	17.7000	4
		Un-ionized Ammonia (mg/L)	91012	4	0.0006	1
		Dissolved Oxygen (mg/L)	00003	4		
		Hydrogen Sulphide (mg/L)	83008	4		
		Total COD (mg/L)			14.0000	1

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Municipality/City/Town		Province	Postal Code
Montreal		QC - Quebec	H2Z 1B1

File No.	Works Number *								Data Period *				Days	Discharge Type	Update Code				
4 6	1	1	0	0	0	0	9	9	9	1	0	2	0	2	2	3	1	2	R
1 2	3								11	16					19	20	21	22	80

C.P.		0 1		Flows		Parameter Code		Dec.	Monthly Results	
12	13	Total Flow	(10 ³ m ³)	50010	3	18.768				
	Average Daily Flow	(10 ³ m ³ /d)	50015	3	0.605					
	Maximum Daily Flow	(10 ³ m ³ /d)	50020	3	0.700					
2 6		Bypass		# of Occurrences						
12	13	Plant Bypass Volume	(10 ³ m ³)	50026	3	0				
	Duration	(hours)	80563	1						
	Secondary Bypass Volume	(10 ³ m ³)	50040	3						
	Duration	(hours)	80565	1						
0 3		Raw Sewage		# of Samples						
12	13	BOD ₅	(mg/L)	00001	0	296				
	Suspended Solids	(mg/L)	00006	0	270					
	TKN	(mg/L)	00020	2	37.20					
	Total Phosphorus	(mg/L)	00033	1	4.3					
0 4		Final Effluent		# of Samples						
12	13	BOD ₅	(mg/L)	00001	1					
	CBOD ₅	(mg/L)	00002	1	1.0					
	Suspended Solids	(mg/L)	00006	1	10.0					
	Ammonia + Ammonium	(mg/L)	00019	2	0.05					
	TKN	(mg/L)	00020	2						
	Total Phosphorus	(mg/L)	00033	2	0.21					
0 7		Disinfection		# of Samples						
12	13	Chlorine Used	(kg as Cl ₂)	50100	1					
	Chlorine Dosage	(mg/L as Cl ₂)	80410	1						
	Chlorine Residual	(mg/L as Cl ₂)	80420	1						

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Unit Number	Street Number	Street Name	PO Box
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Municipality/City/Town Durham (Municipality of West Grey)	Province ON - Ontario	Postal Code
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Operating Authority
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1450	555	Rene-Levesque Blvd West	

Municipality/City/Town Montreal	Province QC - Quebec	Postal Code H2Z 1B1
------------------------------------	-------------------------	------------------------

File No.	Works Number *								Data Period *			Days		Discharge Type	Update Code		
4 6	1	1	0	0	0	0	9	9	9	Month	Year		3	1	2	R	
1 2	3								11	16			19	20	21	22	80

[illegible]

0	4	Final Effluent	Parameter Code	Dec	Monthly Average Results	# of Samples
12	13	Alkalinity, Total (mg/L)	00051	4		
		Conductivity 25°C (µS/cm)	91004	4		
		E. Coli (CT/100ml)	91000	4	2.0000	1
		Nitrate, Unfiltered reactive (mg/L)	00022	4		
		Nitrite, Unfiltered reactive (mg/L)	00021	4		
		pH	80770	4	7.4300	5
		Temperature, Water (°C)	80250	4	12.5000	5
		Un-ionized Ammonia (mg/L)	91012	4	0.0003	1
		Dissolved Oxygen (mg/L)	00003	4		
		Hydrogen Sulphide (mg/L)	83008	4		
		Total COD (mg/L)			4.0000	1

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1450	555	Rene-Levesque Blvd West	
Municipality/City/Town		Province	Postal Code
Montreal		QC - Quebec	H2Z 1B1

File No.	Works Number *								Data Period *				Days	Discharge Type	Update Code				
4 6	1	1	0	0	0	0	9	9	9	1	1	2	0	2	2	3	0	2	R
1 2	3								11	16					19	20	21	22	80

C.P.		0 1		Flows		Parameter Code		Dec.	Monthly Results	
12	13	Total Flow	(10 ³ m ³)	50010	3	18.430				
	Average Daily Flow	(10 ³ m ³ /d)	50015	3	0.614					
	Maximum Daily Flow	(10 ³ m ³ /d)	50020	3	0.790					
				30	34	35	38			
2 6		Bypass				# of Occurrences				
12	13	Plant Bypass Volume	(10 ³ m ³)	50026	3	0				
	Duration	(hours)	80563	1						
	Secondary Bypass Volume	(10 ³ m ³)	50040	3						
	Duration	(hours)	80565	1						
				30	34	35	38			
0 3		Raw Sewage				# of Samples				
12	13	BOD ₅	(mg/L)	00001	0	305	1			
	Suspended Solids	(mg/L)	00006	0	150	1				
	TKN	(mg/L)	00020	2	37.80	1				
	Total Phosphorus	(mg/L)	00033	1	4.4	1				
				30	34	35	38			
0 4		Final Effluent								
12	13	BOD ₅	(mg/L)	00001	1					
	CBOD ₅	(mg/L)	00002	1	3.0	1				
	Suspended Solids	(mg/L)	00006	1	6.0	1				
	Ammonia + Ammonium	(mg/L)	00019	2	0.05	1				
	TKN	(mg/L)	00020	2						
	Total Phosphorus	(mg/L)	00033	2	0.16	1				
				30	34	35	38			
0 7		Disinfection								
12	13	Chlorine Used	(kg as Cl ₂)	50100	1					
	Chlorine Dosage	(mg/L as Cl ₂)	80410	1						
	Chlorine Residual	(mg/L as Cl ₂)	80420	1						
				30	34	35	38			

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Ministry Contact Email Address *
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Project Name
Durham WWTP

Facility Address

Unit Number	Street Number 455	Street Name Saddler St W	PO Box
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Municipality/City/Town Durham (Municipality of West Grey)	Province ON - Ontario	Postal Code
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Operating Authority
Veolia Water Canada Inc.

Mailing Address

Unit Number 1450	Street Number 555	Street Name Rene-Levesque Blvd West	PO Box
---------------------	----------------------	--	--------

Municipality/City/Town Montreal	Province QC - Quebec	Postal Code H2Z 1B1
------------------------------------	-------------------------	------------------------

File No.	Works Number *	Data Period *		Days	Discharge Type	Update Code
		Month	Year			
4 6	1 1 0 0 0 0 9 9 9	1 1	2 0 2 2	3 0	2	R
1 2	3 11	16 19	20 21	22	80	

[illegible]

0	4	Final Effluent	Parameter Code	Dec	Monthly Average Results	# of Samples
12	13	Alkalinity, Total (mg/L)	00051	4		
		Conductivity 25°C (µS/cm)	91004	4		
		E. Coli (CT/100ml)	91000	4	192.0000	2
		Nitrate, Unfiltered reactive (mg/L)	00022	4		
		Nitrite, Unfiltered reactive (mg/L)	00021	4		
		pH	80770	4	7.4100	4
		Temperature, Water (°C)	80250	4	10.5000	4
		Un-ionized Ammonia (mg/L)	91012	4	0.0003	1
		Dissolved Oxygen (mg/L)	00003	4		
		Hydrogen Sulphide (mg/L)	83008	4		
		Total COD (mg/L)			9.0000	1

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Comments

E. coli is a geomean

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Municipality/City/Town		Province	Postal Code
Montreal		QC - Quebec	H2Z 1B1

File No.	Works Number *								Data Period *				Days	Discharge Type	Update Code				
4 6	1	1	0	0	0	0	9	9	9	1	2	2	0	2	2	3	1	2	R
1 2	3								11	16					19	20	21	22	80

C.P.		0 1		Flows		Parameter Code		Dec.	Monthly Results	
12	13	Total Flow	(10 ³ m ³)	50010	3	18.955				
		Average Daily Flow	(10 ³ m ³ /d)	50015	3	0.612				
		Maximum Daily Flow	(10 ³ m ³ /d)	50020	3	0.909				
				30	34	35	38			
2 6		Bypass				# of Occurrences				
12	13	Plant Bypass Volume	(10 ³ m ³)	50026	3	0				
		Duration	(hours)	80563	1					
		Secondary Bypass Volume	(10 ³ m ³)	50040	3					
		Duration	(hours)	80565	1					
				30	34	35	38			
0 3		Raw Sewage				# of Samples				
12	13	BOD ₅	(mg/L)	00001	0	252				
		Suspended Solids	(mg/L)	00006	0	200				
		TKN	(mg/L)	00020	2	41.30				
		Total Phosphorus	(mg/L)	00033	1	4.5				
				30	34	35	38			
0 4		Final Effluent								
12	13	BOD ₅	(mg/L)	00001	1					
		CBOD ₅	(mg/L)	00002	1	12.8				
		Suspended Solids	(mg/L)	00006	1	14.3				
		Ammonia + Ammonium	(mg/L)	00019	2	13.35				
		TKN	(mg/L)	00020	2					
		Total Phosphorus	(mg/L)	00033	2	0.82				
				30	34	35	38			
0 7		Disinfection								
12	13	Chlorine Used	(kg as Cl ₂)	50100	1					
		Chlorine Dosage	(mg/L as Cl ₂)	80410	1					
		Chlorine Residual	(mg/L as Cl ₂)	80420	1					
				30	34	35	38			

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------------------------------------	-------------------------	------------------------

File No.	Works Number *								Data Period *					Days		Discharge Type	Update Code		
4 6	1	1	0	0	0	0	9	9	9	Month		Year							
										1	2	2	0	2	2	3	1	2	R
1 2	3								11	16					19	20	21	22	80

[illegible]

0	4	Final Effluent	Parameter Code	Dec	Monthly Average Results	# of Samples
12	13	Alkalinity, Total (mg/L)	00051	4		
		Conductivity 25°C (µS/cm)	91004	4		
		E. Coli (CT/100ml)	91000	4	49.0000	2
		Nitrate, Unfiltered reactive (mg/L)	00022	4		
		Nitrite, Unfiltered reactive (mg/L)	00021	4		
		pH	80770	4	7.6100	4
		Temperature, Water (°C)	80250	4	7.4000	4
		Un-ionized Ammonia (mg/L)	91012	4	0.0803	4
		Dissolved Oxygen (mg/L)	00003	4		
		Hydrogen Sulphide (mg/L)	83008	4		
		Total COD (mg/L)			69.0000	1

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