

**REPORT FOR ACTION****Sewers and Water Supply By-laws 2018 Compliance and Enforcement Annual Report and Report on the Lavender Creek Water Quality Assessment**

Date: November 12, 2019

To: Infrastructure and Environment Committee

From: General Manager, Toronto Water

Wards: All

SUMMARY

This report provides a summary of the activities performed in 2018 by Toronto Water's Environmental Monitoring & Protection Unit ("EM&P"), which is responsible for administrative compliance and enforcement of the City of Toronto's Municipal Code Chapter 681 ("Sewers By-Law") and Municipal Code Chapter 851 ("Water Supply By-Law"). It also provides a report back, as requested by City Council, on the outcome of the Lavender Creek Water Quality Assessment undertaken by Toronto Water's EM&P.

In 2018, EM&P performed 3,256 tasks, such as company inspections, dye tests, meetings with businesses, storm sewer outfall inspections under the Sewers By-law and 857 inspections under the Water Supply By-law. The staff performed 3,322 sampling events, which resulted in 28,113 laboratory analyses. A total of 664 Notices of Violation were issued for non-compliance under the Sewers By-law and 19 issued for non-compliance under the Water Supply By-law.

In 2018, cases involving 78 companies moved forward to prosecution for both the Sewers and Water Supply By-laws. Under the Sewers By-law, there were 35 convictions resulting in \$274,500 in fines and under the Water Supply By-law, 7 convictions resulting in \$36,000 in fines, totalling 42 convictions with \$310,500 in fines for 2018 (convictions may include prosecution files started in previous years). This total does not include the Victim Fine Surcharge (which is collected and retained by the Ontario Provincial Government for victims of crime – for fines over \$1,000; the surcharge is 25% of the fine). The remaining prosecution files are still before the courts.

The number of Industrial Waste Surcharge Agreements entered into with businesses increased in 2018 and the total cost recovery for Toronto Water under this program was \$9.6 million. Similarly, the total number of Sanitary Discharge Agreements increased, and there was a total cost recovery of \$6.5 million.

In 2018, the Outfall Monitoring Program identified 20 new cross connections (arising from sanitary wastewater misdirected to a storm sewer) and verified the correction of 17 cross connections (some were carried over from previous years). Nine (9) Priority Outfalls within Toronto's watersheds were delisted, thereby seeing an improvement in water quality at those outfalls and receiving waters.

RECOMMENDATIONS

The General Manager, Toronto Water, recommends that:

1. The Infrastructure and Environment Committee receive this report for information.

FINANCIAL IMPACT

There are no financial implications to the City as a result of this report.

The Chief Financial Officer and Treasurer has reviewed this report and agrees with the financial impact information.

DECISION HISTORY

At its meeting on September 21 and 22, 2011, during consideration of report PW7.6 the Public Works and Infrastructure Committee (PWIC), City Council requested the General Manager, Toronto Water ("General Manager") to reinstate the annual report to Council on EM&P activities, including Sewers By-law compliance and the Outfall Monitoring Program.

[PWIC & City Council considerations in September 2011](#)

During the previous term of Council (2006-2010), the General Manager was requested to report annually to the Public Works and Infrastructure Committee on compliance and enforcement activities to support the Sewers By-Law.

[Decision Document of Executive Committee Meeting on November 26, 2007](#)

As requested, EM&P submitted Annual Reports to the April 9, 2008, June 3, 2009, March 2, 2010, April 18, 2012, August 22, 2013, August 13, 2014, August 25, 2015, October 7, 2016, September 19, 2017, and July 10, 2018 meetings of the Public Works and Infrastructure Committee.

[2007 Summary of Sewers By-law Compliance and Enforcement Activities](#)

[2008 Summary of Sewers By-law Compliance and Enforcement Activities](#)

[2009 Summary of Sewers By-law Compliance and Enforcement Activities](#)

[2010 & 2011 Summary of Sewers By-law Compliance and Enforcement Activities](#)

[2012 Sewers and Water Supply By-laws Compliance and Enforcement Activities](#)

[2013 Sewers and Water Supply By-laws Compliance and Enforcement Activities](#)

[2014 Sewers and Water Supply By-laws Compliance and Enforcement Activities](#)

[2015 Sewers and Water Supply By-laws Compliance and Enforcement Activities](#)

[2016 Sewers and Water Supply By-laws Compliance and Enforcement Activities](#)

2017 Sewers and Water Supply By-laws Compliance and Enforcement Activities

At the April 18, 2012 meeting, the Public Works and Infrastructure Committee requested an additional report regarding Sewers By-law administration. EM&P submitted a report titled Sewers By-law Administration - Response to Request for Information with three appendices on October 11, 2012. City Council on November 27, 28, and 29, 2012 adopted the recommendations with two changes. The decision and link to the report and appendices can be found at

[Sewers By-law Administration - Response to Request for Information](#)

The 2013 annual report included graphical presentations of the effect of the Pollution Prevention Program on the subject pollutants concentration in the discharge from the businesses that are monitored by EM&P. This was requested by the Public Works and Infrastructure Committee on November 20, 2013, during consideration of a report titled Sewers By-law Pollution Prevention (P2) Program and Hexavalent Chromium Stakeholder Update. The decision and link to the report and appendices can be found at [Sewers By-law Pollution Prevention \(P2\) Program and Hexavalent Chromium Stakeholder Update](#)

Two reports were presented to the Public Works and Infrastructure Committee on these proposed changes. The first was presented on November 12, 2015 titled "Sewers By-law Pollution Prevention (P2) Program Stakeholder Update – 2015 and Sewers and Water Supply By-law Amendments".

[Sewers By-law Pollution Prevention \(P2\) Program Stakeholder Update - 2015 and Sewers and Water Supply By-law Amendments](#)

At its meeting on June 18 and 19, 2019, City Council, by adoption of MM8.30, requested the General Manager, in consultation with the Ministry of the Environment, Conservation and Parks ("MECP"), to:

- undertake a comprehensive water quality assessment of Lavender Creek with testing of storm water outfalls into the Creek for suspended solids, biochemical oxygen demand, metals, nutrients and other organic compounds;
- trace back to a point source(s) if the Sewers By-law limits are found to be exceeded;
- take regulatory action if required; and
- report the findings to the Infrastructure and Environment Committee.

The Council decision can be found at:

<http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2019.MM8.30>

ISSUE BACKGROUND

This is Toronto Water's eleventh annual report on the Sewers By-law and Water Supply By-law Compliance and Enforcement and the report requested by City Council on the outcome of the Lavender Creek Water Quality Assessment completed by EM&P.

Sewers By-law Compliance and Enforcement

EM&P oversees the compliance and enforcement of the Sewers By-law, which includes monitoring and control of industrial wastewater discharges into the sanitary sewer system and monitoring discharges from storm sewers and outlets (commonly known as outfalls) into receiving waters.

Water Supply By-law Compliance and Enforcement and the Backflow Prevention Program

EM&P also oversees compliance and enforcement of the Water Supply By-law, which was enacted on January 1, 2008 to harmonize existing By-laws from the former municipalities. The Water Supply By-law refined existing roles and responsibilities of both property owners and the City and put in place specific additional measures with a view to further protect the integrity of the City's drinking water supply system and to improve operational efficiency.

In Ontario, the Safe Drinking Water Act, 2002 and its regulations (the "SDWA") govern the treatment and distribution of drinking water in Ontario. The SDWA has a number of important provisions designed to protect drinking water for consumers. Among these many provisions, Section 11 of the SDWA requires every owner and operator of a municipal drinking-water system to ensure that all water provided by the system meets the requirements of drinking-water quality standards and that the drinking-water system is operated in accordance with the SDWA. In addition, subsection 20(1) of the SDWA makes it an offence to cause or permit anything to enter a drinking-water system if it could result in a drinking-water health hazard, a contravention of a prescribed standard or the interference with the normal operation of the system.

Providing safe drinking water is of paramount importance to the City. The backflow of contaminated water from private plumbing systems to the City's drinking-water distribution system may pose an adverse risk to the health, safety and well-being of drinking-water consumers. In order to protect against this risk, the Water Supply By-law requires, among other things, that industrial, commercial, institutional and multi-residential properties have a backflow prevention device installed at each water service connection to the City's drinking-water distribution system. This requirement is one way in which the City protects the water quality of its municipal drinking-water system.

Violations, Investigations, Prosecutions and Convictions

EM&P generally issues Notices of Violation for offences under the Sewers and Water Supply By-laws. Should compliance not be achieved following notification of offences using Notices of Violation, then investigations may be conducted which may lead to prosecutions and potential convictions before the courts. In circumstances which pose an immediate threat to public health or infrastructure or the environment or otherwise require immediate action, EM&P may issue an order to comply or take other remedial actions. This report details these activities under the Sewers and Water Supply By-laws for 2018.

Pollution Prevention Program

Toronto was the first Canadian Municipality to implement a Pollution Prevention reporting program under a Sewers By-law. EM&P oversees the Pollution Prevention (P2) Program. The Sewers By-law requires every subject sector industry and every industry that discharges any amount of a subject pollutant to prepare a Pollution Prevention Plan and submit the plan to the General Manager with respect to the premises from which the discharge occurs. As part of the P2 Program, Best Management Practices, approved by the General Manager, may be used by certain sectors.

The program requires businesses to review processes and identify and reduce any of the 33 subject pollutants under the Sewers By-law detected in their effluent. Commercial sectors, such as automotive repair and refinishing, photofinishing and car washes, follow Best Management Practices to minimize contaminant releases to the City's sewer system.

A "subject pollutant" is a specific pollutant – such as benzene – that has been identified as an element, material or compound that requires further monitoring and reporting due to its negative effects on the City's sewer system and/or the natural environment. Subject pollutants also have By-law discharge limits that companies must comply with. In addition, ongoing reporting is required for any amount of discharge of a subject pollutant.

Outfall Monitoring Program

EM&P staff monitors storm and combined sewer outfall discharges to receiving waters during dry weather to ensure the water entering the watercourse from the outfall is not contaminated. This program is known as the Outfall Monitoring Program and samples are collected for comparison with the Sewers By-law and to identify illegal cross connections (sanitary and storm hook-ups are improperly connected causing the discharge of wastewater into the storm sewer). Contaminated dry weather flows from priority outfalls (outfalls known to have intermittent yet frequent contaminated discharge) are traced to locate the source of contamination for immediate correction by the originating source.

Lavender Creek Water Quality Assessment

Lavender Creek is tributary of Black Creek that is bounded by Weston Road, Glen Scarlett Road and St. Clair Avenue West. The area is home to numerous commercial and industrial businesses. These businesses include microbreweries, food manufacturing and meat processing operations.

Outfalls in the Lavender Creek watershed were previously sampled for water quality assessment in 2003 and 2007. Any cross connections identified at that time were corrected resulting in noticeable improvement in the water quality.

COMMENTS

Major Program Areas

This report addresses the following major program areas and activities in 2018 performed by EM&P in addition to 2019 Lavender Creek water quality assessment:

- 1) Sewers By-law Compliance - Industrial Inspection and Sampling Program
- 2) Industrial Waste Surcharge Agreements and Permits
- 3) Sanitary/Storm Discharge Agreements and Permits
- 4) Compliance Program
- 5) Grease Issues
- 6) Reports of Spills & Pollution Complaint Response
- 7) Industrial Water Rate – Block 2
- 8) Liaison with Other Divisions
- 9) Pollution Prevention (P2) Program
- 10) Storm Sewer Outfall Monitoring Program
- 11) 2019 Lavender Creek Water Quality Assessment
- 12) Water Supply By-law Compliance and Enforcement
- 13) Collaborative Surface Water Monitoring Programs
- 14) Pollution Prevention Stakeholder Consultation and Implementation
- 15) Groundwater/Private Water Inter-Divisional Work and Outreach to the Development Industry

1) Sewers By-law Compliance - Industrial Inspection and Sampling Program

The frequency at which EM&P samples and inspects businesses discharging to the City's sewer system, for the purpose of determining compliance, is dependent on potential to pollute (i.e. High, Medium or Low Potential) and the impact to the City's sewer system and wastewater treatment plants. The objective is to prevent the discharge of contaminants that may be harmful to persons, the environment and the City's sewer system and wastewater treatment plants.

EM&P staff include Provincial Offences Officers who inspect businesses to determine whether a facility's wastewater discharge to the City's sewer system complies with the Sewers By-law. These inspections typically include evaluation of any manufacturing or production processes, chemicals and products used or stored and liquid waste streams generated onsite that may affect the City's sanitary and storm sewers.

During an inspection, the Officers make notes, take pictures, interview staff, obtain copies of documents and/or process inventory logs, and can collect samples. Officers may make observations or issue verbal instructions and/or written orders to rectify issues that are identified. Samples collected by Officers are analyzed by the accredited Toronto Water Laboratory to determine compliance with the Sewers By-law.

In 2018, the Industrial Wastewater Control Group, a subgroup within EM&P, conducted 1994 industrial and commercial inspections and other tasks and performed 2,898 sampling events. Table 1 references the High and Medium Potential completion rates

for the Sewers By-law inspection and sampling for the years 2017 and 2018. Table 2 provides a breakdown of various activities performed at industrial and commercial sites in 2018.

Table 1: Sewers By-law Sampling Metrics for 2017 to 2018

Potential	High Potential		Medium Potential	
Year	2018	2017	2018	2017
Sampling Completion Rate (%)	96%	98%	98%	99%

Table 2: Breakdown of Various Activities in 2018 at Industrial and Commercial Sites by Industrial Wastewater Control Group

Task Type	Number of Tasks
High Potential Industry Inspections	53
Medium Potential Industry Inspections	129
Automotive, Restaurants, Spill Follow Up, and other Commercial Facility Inspections	920
Construction Site Inspections	476
Dye Testing to Confirm Discharge to City Sewers	254
Meetings	162
Total	1,994

If, during an inspection, EM&P identifies a violation of the Sewers By-law, generally, a written Notice of Violation is issued and, depending on the circumstances and nature of the violation, the business is generally given an opportunity to rectify the violation. However, in circumstances that pose an immediate threat to public health, infrastructure or the environment or otherwise require immediate action, EM&P may issue an order to comply to correct a violation. In 2018, there were no orders issued.

EM&P Industrial Wastewater Control group issued 664 Notices of Violation to businesses in 2018 for Sewers By-law violations and 19 for Water Supply By-law violations. Appendix A of this report references the individual categories of violations, which occurred in 2018, categorized into various By-law sections: sanitary; storm; pollution prevention plan; maintenance access hole; and interceptor requirements.

In the event that multiple and/or re-occurring violations are identified, generally an escalated enforcement action is undertaken. A violation of sufficient severity can result

in Provincial Offences Officers collecting evidence and proceeding with formal charges under either By-laws, without a Notice of Violation being issued. EM&P transfers the carriage of these files to Legal Services' Prosecutions Section, which prosecutes offences under the Sewers By-law before the courts. EM&P then acts as a support group to assist prosecutors with questions that arise from prosecution files.

Convictions - Sewers By-law

Under the Sewers By-law, there were 35 convictions in 2018 resulting in \$274,500 in fines, excluding the victim fine surcharge of 25%. In 2018, there were 109 investigations for potential prosecution, 95 prosecution cases (representing 69 companies as some were charged multiple times) referred to Legal Services' Prosecutions Section. Many of these prosecution cases are presently before the courts. Additionally, some prosecutions from previous years continue to remain before the courts. Appendix B to this report provides details of the Sewers and Water Supply By-laws convictions for 2018.

Table 3 denotes the number of compliance and enforcement activities undertaken by the entire EM&P during 2018 and the previous 2 years (for comparison purposes) for all aspects of the Sewers By-law.

Table 3: Comparison of All Sewers By-law Compliance and Enforcement Activities: 2017-2018

Activity	2018	2017
Inspections	3,256	4,158
Sampling Events	3,322	3,401
Lab Tests Conducted	28,113	28,891
Notices of Violation Issued	664	874
Orders	0	0
Pollution Complaints	736	711
Investigations*	109	94
Prosecutions**	95	75
Convictions***	35	30
Unsuccessful Prosecutions	0	1
Fines (excluding 25% victim fine surcharge)	\$274,500	\$305,000

* Some companies were investigated multiple times for different violations/occurrences, thus the number of investigations is higher than the actual number of companies issued summonses.

** Prosecution refers to the total number of summonses issued to companies or individuals with some companies receiving multiple summonses in a year. For 2018, 69 companies received summonses for offences under the Sewers By-law.

*** Convictions may include multiple prosecutions for a company or individual and may include prosecution files initiated in prior years and concluded in 2018.

2) Industrial Waste Surcharge Agreements and Permits

In 2018, businesses that exceeded the sanitary sewer discharge By-law limits for 5 specific and treatable parameters could bring themselves into compliance with the Sewers By-law by installing improved or more effective treatment processes or infrastructure and/or undergoing pollution prevention, or applying to enter into an Industrial Waste Surcharge Agreement ("IWSA") with the City. Most companies opted to enter into an IWSA.

The 5 parameters, treatable in Toronto's wastewater treatment plants, permissible under an IWSA are Biological Oxygen Demand (BOD), Total Suspended Solids (TSS), Total Phosphorous (TP), Phenols, and Total Kjeldahl Nitrogen (TKN – a measure of concentrated nitrogen and ammonia). Under an IWSA, generally a composite sample (samples that are generally collected over a 24-hour period) is taken from a company's premises and used to evaluate the quality of wastewater generated by that company to then determine the costs payable by the company to the City to treat the excess amount discharged over the Sewers By-law limit.

In 2018, the surcharge fee for an IWSA or permit was based only on the parameter that exceeded the Sewers By-law limits the most, rather than based on the cost to treat all Sewers By-law limit exceedances. In 2019, City Council amended its policy to include all parameters in the surcharge fee for an IWSA.

In November of 2012, Toronto City Council adopted, effective January 1, 2013, the maximum fees per IWSA parameter recommended by the City's consultant and directed that the City continue to only charge the surcharge fee on the highest exceeding parameter. Council also mandated that Toronto Water re-evaluate the fees in the first two years, and subsequently every 5 years thereafter, to determine if fee increases are warranted due to increases in the cost of treating the wastewater.

After the two-year review was conducted, the fees were re-evaluated and Council approved the increased fees for Toronto Water's treatable parameters on December 9 and 10, 2015, effective on April 1, 2016. These 2016 IWSA fees are identified in Table 4 below.

Table 4: Treatable Parameter Fees for Toronto Water Industrial Waste Surcharge Agreement

Treatable Parameter ->	BOD / Phenolics (4AAP)	Total Suspended Solids	Total Phosphorous	Total Kjeldahl Nitrogen
Rates Effective from April 1, 2016 (\$/Kg)	\$0.64	\$0.70	\$2.24	\$1.43

In 2018, there were 329 businesses under an active IWSA; this includes 27 that were newly added. By the end of 2018, there were 321 IWSAs on file. Appendix C to this report contains a complete list of surcharge dischargers and their 2018 status. The cost recovery through the IWSAs was \$9.6 million in 2018 and \$13.2 million in 2017. This reduction in cost recovery can be attributed to the businesses lowering the concentrations of the surcharge parameter that they were discharging.

Toronto Municipal Code Chapter 441 - Fees and Charges, provides that the minimum amount payable under an industrial waste surcharge permit or agreement is \$500. In 2018, 55 companies were charged the \$500 minimum fee for an industrial waste surcharge permit or agreement. A total of \$27,500 in costs was recovered for such permits or agreements, which includes the application fee charged for any new permit or agreement. Appendix D to this report lists the industries under a minimum permit or agreement.

3) Sanitary/Storm Discharge Agreements and Permits

The City enters into agreements and permits with customers that draw from private water supplies (e.g. Lake Ontario, groundwater) and discharge to a City sanitary or storm sewer. Customers discharging to a City sanitary sewer for treatment are charged a fee based on the volume of private water being discharged.

Private water discharged into a City storm sewer must meet quality and quantity limits as the discharge will enter watercourses, rivers and lakes. No fee is charged for approved discharges to the City's storm sewers, as no treatment service is provided by the City.

There are two types of approvals for discharge to the City's sanitary or storm sewers, depending on the duration of the proposed discharge: (1) long-term agreements that may be renewed and (2) short-term agreements or permits, generally for a short duration with no renewal period.

The long-term agreements are generally used for discharge for site decontamination, site decommissioning purposes or for the discharge from permanent building foundation drains. Depending on the sewer in which the discharge is directed to, these may be sanitary sewer discharge agreements or storm sewer discharge agreements.

The short-term agreements and permits are generally used for discharge for construction dewatering purposes. Sanitary and storm discharge permits are used

instead of agreements for construction dewatering where the anticipated total fee for one year or lesser term would be \$20,000 or less.

The private water discharged to the City's sewer must meet the applicable quality limits under the Sewers By-law for discharge to either the sanitary or storm sewer and must be within the capacity limits for the City's Sewage Works. If not, a customer may also need to install a wastewater pre-treatment system. There were 480 new long-term agreements (includes amendments, assignments, and those with future start dates) and 48 new short-term discharge permits issued in 2018. As of December 31, 2018 there were 429 active long-term agreements in effect. If capacity limits are met but not quality limits, a customer may also need to install a wastewater pre-treatment system as a condition to the approval of a discharge agreement.

Cost recovery on the long-term sanitary discharge agreements was approximately \$6.5 million and cost recovery for short-term sanitary discharge permits was approximately \$4,000 totalling \$6.5 million in 2018 for Toronto Water compared to \$4.2 million in 2017.

EM&P staff meet with applicants submitting private water discharge applications for pre-consultation prior to their application submissions as well as to answer any questions related to submitted applications. In 2018, EM&P staff held 352 meetings with various applicants to discuss their private water discharge application files.

4) Compliance Program

Section 7 of the Sewers By-law allows a business to submit a compliance program application to the General Manager, where its discharge to the City's sewer is in non-compliance with the Sewers By-law. The business will set out activities to be undertaken that would result in the prevention or reduction and control of the discharge by the date specified in its plan.

If the compliance program is approved by the General Manager, the City will enter into a compliance agreement with the business to permit them, within an approved schedule, time to obtain the necessary equipment, implement the appropriate prevention measures, or otherwise remedy a Sewers By-law violation as soon as possible. This allows the business to continue to discharge to the City sanitary sewer in excess of the Sewers By-law limits, (within certain parameters, conditions and timelines prescribed in the agreement) while taking the required corrective action to address and resolve the problem as quickly as possible. As part of the agreement conditions, the company must perform weekly sampling and report these sample results along with progress reports regularly to the City. Failure to comply with any aspect of the compliance agreement may result in its termination.

In 2018, there were 13 compliance agreements issued compared to 22 in 2017. Appendix E to this report lists the companies that entered into compliance agreements with the City. Improvements in the quality of the effluent are generally accomplished through pollution prevention options, wastewater treatment systems, or a combination of the two. In 2018, 7 compliance agreements used pollution prevention options and 6 used wastewater treatments systems. Two (2) compliance agreements were terminated

in 2018 for failing to comply with the compliance agreement and 1 compliance agreement was terminated due to ownership change.

5) Grease Issues

Grease build-up in the City sewers is an ongoing issue that may create potential public health concerns by attracting rodents and causing sewer back-ups. EM&P and Toronto Public Health have been working together since 2008 to address this problem. Toronto Public Health checks for the presence or absence of grease interceptors during restaurant DineSafe Inspections. Restaurants without grease interceptors, or those with a history of sewer backups, are referred to EM&P for a further detailed inspection and any required enforcement under the Sewers By-law.

In February 2016, Toronto Council approved a Food Service Establishment Environmental Code of Practice. This document includes grease interceptor installation and maintenance requirements similar to the Canadian Standard Association (CSA) Standard B481 Series-12 Grease Interceptors and provides clear maintenance requirements that were otherwise more generalized. It was mailed to over 10,000 food service establishments. It has assisted in managing grease build-up in the City sewers and the wastewater treatment plants.

In 2018, EM&P issued 114 Notices of Violation to restaurants/food service establishments for failure to properly install or maintain grease interceptors compared to 179 in 2017.

6) Reports of Spills & Pollution Complaint Response

EM&P Provincial Offences Officers respond to reports of possible spills or pollution complaint calls on a 24 hour/7 day per week basis. This is achieved through night and on-call weekend shifts via a rotating weekly schedule. Some examples of pollution complaints are a resident dumping paint into a street catch basin or reporting discoloured water in a creek. In 2018, EM&P received and attended to 736 such complaints and 711 in 2017.

EM&P Provincial Offences Officers also respond to complaints related to discharges from swimming pools on a regular basis from the spring to the fall season. In 2018, EM&P responded to 39 swimming pool discharge complaints that were alleged to be contrary to the Sewers By-law. EM&P uses these opportunities to further remind and educate the public and property owners on the Sewers By-law and the requirements for discharging into the City sewer system. If additional complaints for the same property or pool operator occur, EM&P issues a Notice of Violation and/or takes other enforcement action.

7) Industrial Water Rate - Block 2

The City offers a lower water rate to eligible industrial water customers, the Block 2 rate, which is a discount of 30% from the Block 1 water rate. The eligibility criteria to receive the Block 2 rate is set out in Municipal Code Chapter 849 – Water and Sewage Services and Utility Bill (“Code Chapter 849”) and in 2018 was based on the following factors:

- an industrial property tax classification;
- use of water exclusively for industrial or manufacturing processes;
- consumption of water in excess of 5,000 m³ per year ;
- compliance with the Sewers By-law;
- submission, approval and implementation of a Water Conservation Plan and related progress report(s);
- if required, the installation and maintenance of effluent monitoring equipment; and
- additional criteria in the event only a portion of the property is assessed in the industrial property tax class.

Failure by an industrial water customer to maintain eligibility, in accordance with the Municipal Code requirements as mandated by Council, will result in the loss of the Block 2 rate depending on the circumstances. EM&P, however, takes a proactive approach to encourage industrial water customers to remain in compliance with the eligibility requirements. For example, EM&P staff often meet with industrial water customers to discuss compliance programs and/or other solutions. Also, where appropriate, the General Manager may exercise his delegated authority under Code Chapter 849 to resolve with a customer a non-compliance matter under the Sewers By-law that affects the customer's entitlement to the Block 2 rate in order to rectify the non-compliance within 6 months. During such time, the customer will be entitled to continue to receive the Block 2 rate.

However, if the non-compliance is not rectified to the General Manager's satisfaction within the prescribed time, the customer will lose the benefit of the Block 2 rate. Also, as mandated by Council, if an industrial water customer has three instances of non-compliance within the same billing year, that customer will lose the Block 2 rate until such time as the customer demonstrates to the satisfaction of the General Manager that they have been in compliance for at least 12 consecutive months. If an industrial water customer loses the Block 2 rate, Municipal Code Chapter 849 allows the customer to reapply for reinstatement of the lower Block 2 rate after it has demonstrated compliance for at least 12 consecutive months.

At the end of 2018, of the 109 industrial water customers, 96 were receiving the lower Block 2 Water Rate and 13 lost the Block 2 Water Rate due to a variety of non-compliance issues. As a result, 88% of customers were in compliance in 2018 compared to 93% in 2017.

8) Liaison with Other Divisions

There are over 3,000 licensed automotive garages in Toronto. Many of these are one-person operations with no designated environmental staff. In 2012, EM&P initiated a pilot project with Municipal Licensing and Standards (MLS), as part of an Auditor General Recommendation, to assist in automotive garage inspections.

EM&P developed an automotive inspection checklist referral form for MLS Officers to complete each time they visit an automotive garage for clearance or investigation purposes. Completed checklists are sent by MLS to EM&P to be reviewed in detail for

compliance under the Sewers By-law. In November 2012, MLS Officers were trained by EM&P to identify issues relating to the Sewers By-law.

In November 2017, MLS officers were retrained by EM&P. As a result of the collaboration and retraining, EM&P received 127 automotive garage referrals from MLS Officers in 2018 and 144 referrals in 2017.

9) Pollution Prevention (P2) Program

EM&P requires industries, that discharge any amount of the 33 subject pollutants identified in the Sewers By-law, to submit a P2 Plan every six years and an update every third year, unless that industry continually meets the requirements of and is participating in a Best Management Practices Plan (BMP) approved by Council.

Best Management Practices provide a number of “do’s and don’ts” designed to improve effluent quality of that particular commercial operation and when followed, minimize the release of pollutants to the City sewer system.

The BMP approach has proven to be more effective for smaller businesses, rather than submitting P2 Plans. Businesses in which there are BMP include: photofinishing, automotive repairs (including maintenance and body work), gas stations and vehicle wash facilities. To participate in a BMP, each of the foregoing facilities submits a declaration form that outlines their processes, including confirmation on the use of a waste hauler and a commitment to follow the BMP.

Approximately 5,500 facilities fall under the P2 Program. In 2016, the automotive refinishing sector (autobody shops) was added to the automotive service BMP. In 2018, the automotive refinishing sector compliance rate was 100%.

In 2018, 764 P2 Plans and declaration forms submitted by businesses were reviewed. Failure to submit a P2 Plan may result in the issuance of a Notice of Violation. There were 49 Notices of Violation issued for failure to meet P2 Plan submission requirements in 2018 and 95 in 2017.

In February 2016, Toronto Council approved a revised P2 Plan Program for Dental Offices. A dental office is now required to make a one-time submission of a P2 Plan. However, as part of the P2 Plan requirements, the amalgam separator must be serviced on a frequency based on the manufacturer's specifications and the number of dental chairs. Each time the amalgam separator is serviced, the invoice is required to be submitted to the City. In 2018, the dental P2 Plan submission compliance rate was 100%.

Table 5 highlights the 2018 statistics with respect to the percentage of Pollution Prevention Plan submissions received by EM&P. In 2018, EM&P followed up with businesses for compliance with the P2 Plan submission requirements. These resulted in an overall higher compliance rate compared to 2017.

Table 5: Pollution Prevention - Statistics Related to Reporting

Sectors	Total Number of Facilities	Pollution Prevention & Best Management Practice Compliance Rate	
		2018	2017
Autobody Refinishing	386	100%	100%
Automotive Services	2237	84%	72%
Dental Offices	1775	100%	100%
Photo Labs	77	100%	100%
Metal Finishing	90	96%	97%
Printing	128	80%	67%
Non-Sector*	103	87%	93%
Manufacturing	206	93%	93%
Dry Cleaners & Commercial Laundry	263	96%	95%
Textile and Industrial Laundry	32	95%	91%
Hospital/Health Care	42	88%	92%

* Includes any industry that is not listed as a subject sector in Appendix 1 of the Sewers By-law.

10) Storm Sewer Outfall Monitoring Program

EM&P continues to operate the Outfall Monitoring Program ("OMP") in accordance with the direction of the General Manager with success. EM&P achieved its goal of surveying and sampling all outfalls that have a dry weather flow within Toronto's watersheds. The program is also responsible for investigating and addressing cross connections through enforcement action under the Sewers By-law. In 2018, the second round sampling of Taylor Massey Creek dry weather flow outfalls were completed. Table 6 compares key performance indicators for the Outfall Monitoring Program for 2017 and 2018.

Table 6: Comparison of Cross Connections Found and Addressed, Priority Outfalls, Outfalls of Concern and De-listed Priority Outfalls during 2017 and 2018

Year	2018	2017
Precipitation (mm)	885	846
Cross Connections Found	20	33
Cross Connections Corrected	17	53
Total Priority Outfalls	46	50
Outfalls of Concern	17	1
Delisted Priority Outfalls	9	8

Whenever a contamination of an outfall was discovered (priority outfall), the storm sewer system was investigated in an effort to trace the source of contamination. Numerous investigations were undertaken in 2018. EM&P's Stormwater Group found 20 cross connections (arising from sanitary wastewater misdirected to a storm sewer) by performing 165 dye tests and also verified the correction of 17 cross connections. Of the 20 cross connections found, 9 were residential, 9 were commercial, and 2 were industrial facilities. Of the 17 cross connections corrected, 9 were residential, 6 were commercial, and 2 were industrial facilities (Refer to Appendix F to this report).

Closed Circuit Television (CCTV) continues to be a helpful tool in detecting cross connections and infrastructure issues along the sewer system. Four (4) cross connections were found with CCTV. Normally staff would trace the contaminated flow to a source by sampling along the storm sewer system at manholes. By using CCTV, fewer resources are needed to narrow down the problem quickly.

Nine priority outfalls were de-listed from the Priority Outfall List as a result of the work undertaken under the OMP in 2018, which included rectifying cross connections and then verifying through monitoring and sampling of the priority outfalls. Appendix G to this report contains a list of de-listed priority outfalls in 2018 along with their corresponding Watersheds and respective Wards. As of December 31, 2018, the Priority Outfall List consists of 46 priority outfalls. Appendix H to this report provides a summary of priority outfalls, outfalls of concern and delisted outfalls for 2017 and 2018.

For enforcement purposes, 20 Notices of Violation were issued for Sewers By-law infractions related to the OMP. Of these issued Notices of Violation, 9 were residential, 9 were commercial and 2 were industrial facilities. Table 7 provides a summary of storm water related tasks (2017-2018).

Table 7: Summary of Storm Water Related Tasks for 2017 and 2018

Storm Water Related Tasks	2018	2017
Inspections	1,264	1,781
Sampling Events	424	551
Laboratory Analyses	6,992	8,010
Notices of Violation Issued	20	24

So far, EM&P has found a total of 820 cross connections and facilitated the correction of 780 cross connections. Fixing these problems has contributed to the removal of 155 priority outfalls from the Priority Outfall List and from active investigation. The Outfall Monitoring Program continues to be proactive in improving storm water quality in the storm sewer system and improving Toronto's environment.

11) 2019 Lavender Creek Water Quality Assessment

In response to City Council's directive to the General Manager, Toronto Water, a comprehensive water quality assessment of Lavender Creek was undertaken by EM&P

with testing of storm water outfalls into the Creek for suspended solids, biochemical oxygen demand, metals, nutrients and other organic compounds.

An aerial view of Lavender Creek is provided in Appendix I to this report. Lavender Creek is fed by 4 storm sewer outfalls that flow from Gunns Road, Symes Road, Maybank Avenue and Weston Road. The 2019 Lavender Creek Sampling Locations are depicted in Appendix J.

The sampling was conducted during dry weather conditions (i.e. no significant precipitations within 24 hours) to assist in identifying any cross connected sanitary flows. On August 14, 2019, two out of the four storm sewer outfalls along Lavender Creek had dry weather flow (see Appendix J: 2019 Lavender Creek Outfall Sampling Locations and see Appendix K: 2019 Lavender Creek Outfall Photos). Dry weather flow from Outfall BC29 (formerly known as L123) and Outfall BC29-1 (formerly known as L125) were sampled for pH, total suspended solids, biochemical oxygen demand, metals, nutrients and other organic compounds.

Through sampling, E. coli and Total Phosphorus were identified at Outfall BC29 to be elevated above the storm water By-Law limits in Municipal Code Chapter 681. E. coli is a type of bacteria that resides in human intestines and the intestines of some animals. The elevated presence of E.coli in a water sample indicates a cross connection from the sanitary collection system (i.e. toilets, sinks, showers) to the storm water collection and discharge system, which are designed to operate as separate collection, transmittal and drainage systems. Other storm parameters sampled were not detected or within storm water By-Law limits and thus did not require further action.

EM&P staff traced the storm sewer line from outfall BC29 for the elevated storm parameters to the storm sewer at 100 Symes Road and identified 13 internal plumbing fixtures (i.e. toilets and sinks) that should have drained to the sanitary sewer but were in fact draining to the storm sewer due to a cross connection resulting from a plumbing error. The MECP's Spills Action Centre was notified and a collection boom was placed at the outfall to reduce the cross connected sanitary flow into Lavender Creek,

Upon notification by EM&P staff of the cross connection to the business and property manager of 100 Symes Road, action was taken to rectify the cross connection. EM&P Staff issued a Notice of Violation to the business and property manager to underscore the need for remedial action. A follow-up dye test was conducted by EM&P Staff on October 10, 2019, and the results confirmed that the cross connection had been corrected and therefore sanitary waste flow was correctly flowing to the sanitary sewer.

Based on its investigation, EM&P concluded that the elevated E. coli and Total Phosphorus levels identified at outfall BC29 were caused by the cross connection at 100 Symes Road. Subsequent sampling following rectification of the cross connection conducted by EM&P staff confirmed that the E. coli and Total Phosphorus levels had decreased to within compliance levels, as reflected in Table 8, resulting in an improvement in Lavender Creek's water quality.

Table 8: 2019 Sample Results for Outfall BC29 in Lavender Creek

Sample Date	E. coli cfu/100 mL	Mn mg/L	Cu mg/L	BOD mg/L	TSS mg/L	TKN mg/L	TP mg/L	Methylene Chloride mg/L
August 14, 2019	125,000	0.00861	0.0109	13	7	2.81	0.57	0.00033
September 18, 2019	300						1.4	
September 30, 2019	1,400						0.09	
October 9, 2019	100						0.07	
October 10, 2019	0						0.08	
October 15, 2019	100						*	

Note:

1. Only parameters that were detected by Toronto Water Laboratory are included in the table.
 2. All samples taken with an estimated flow rate of approximately 0.1 Litre/second.
 3. All samples collected were clear, colourless and odourless, except for September 18, 2019 that was slightly turbid and odourless.
- * Samples are still pending results as of October 31, 2019.

Sampling results for Outfall BC29-1 (see Table 9) identified one elevated E. coli result. EM&P staff actively traced along the storm sewer line for the elevated E. coli parameter but did not find any dry weather flow in the sewer line indicating that the source was not a sanitary to storm cross connection, pointing to the presence of fecal matter from a small mammal, such as a raccoon. Subsequent sampling at the outfall indicated lower levels of E. coli, which suggest that the one spike was an anomaly. The Manganese level found at BC29-1 is similar to levels found in groundwater. Other storm parameters sampled at Outfall BC29-1 were not detected or were within Sewers By-Law limits for storm water.

Table 9: 2019 Sample Results for Outfall BC29-1 in Lavender Creek

Sample Date	pH	E. coli cfu/100 mL	Mn mg/L	BOD mg/L	TSS mg/L	TKN mg/L	TP mg/L
August 14, 2019	7.4	8,300	0.358	<2	5	0.86	0.16
September 18, 2019		880,000					
September 30, 2019		770					
September 30, 2019		180*					
October 9, 2019		100					
October 10, 2019		100					
October 15, 2019		600					

Note:

1. Only parameters that were detected by Toronto Water Laboratory are included in the table.
2. All samples taken were clear and colourless with an estimated flow rate of approximately 0.1 Litre/second.

*Sample taken from stagnant water (no flow) inside manhole upstream of Outfall BC29-1.

At the other two storm sewer outfalls, BC29-2 and BC29-3 (the latter formerly known as L127), there was no dry weather flow, therefore no samples could be taken. The absence of dry weather flow at these storm sewer outfalls provides an indication that no sanitary flow is entering the storm sewers connected to these outfalls due to cross connections.

Prior to the initiation of sampling at storm outfalls along Lavender Creek, staff of the MECP's Toronto Office were informed of the Council directive and updated on the results of the sampling program including the cross connection identified at 100 Symes Road and the subsequent remedial action.

In summary, EM&P undertook a comprehensive assessment of the outfalls in the Lavender Creek sewershed as requested by Council. EM&P discovered that thirteen plumbing fixtures from a business located at 100 Symes Road were cross connected to the storm sewer. The business owner and property manager took remedial action to rectify the cross connection, which was successfully done and confirmed through a dye test by EM&P staff.

12) Water Supply By-law Compliance and Enforcement

Backflow Prevention Program

EM&P administered the Backflow Prevention Program since its 2008 inception until December 31, 2013. It continues to conduct inspections of industrial, commercial and

institutional properties to ensure compliance with the Backflow provisions of the Water Supply By-law. Under the Water Supply By-law, there were 7 convictions in 2018 resulting in \$36,000 in fines, excluding the victim fine surcharge of 25%. Table 8 highlights the number of compliance and enforcement activities undertaken by EM&P staff in 2018 for the Water Supply By-law compared to 2017.

Table 10: Water Supply By-law Compliance and Enforcement Activities

Activity	2018	2017
Inspections	857	412
Notices of Requirement to install a Backflow Prevention (BFP) Device	1,361	3,128
Notices of Violation Issued	19	15
Reminder Notices for BF Test Reports	9,212	10,184
BFP Test Reports Received	13,552	13,410
Fire Hydrants Complaints	12	7
Investigations	7	13
Orders	0	0
Prosecutions*	9	7
Convictions**	7	6
Unsuccessful Prosecutions	0	0
Withdrawn Prosecutions where Charges Laid	6	1
Fines (excluding 25% victim fine surcharge)	\$36,000	\$43,500

* This number is higher than the investigations number as 2 of the summons issued were for prosecutions started in 2018

** Convictions may include prosecution files started in prior years.

Fire Hydrant Obstruction

In accordance with the Water Supply By-law, fire hydrants must be kept free of obstructions. Toronto Water's Distribution and Collection staff perform regular scheduled inspections and maintenance of hydrants. If fire hydrants are found to be obstructed, during a routine inspection, then staff addresses the issue by immediately notifying the property owner, in writing, to have the obstructing material removed. If the obstruction has still not been removed, the issue is escalated with a referral to EM&P for enforcement.

In 2018, EM&P received 2 referrals for hydrant obstruction and 3 for unauthorized use of a hydrant.

13) Collaborative Surface Water Monitoring Programs

In 2018, EM&P continued its engagement in coordinating the Beaches Monitoring Program, along with Toronto Public Health and Toronto Parks, Forestry and Recreation, through the use of seasonal beach lifeguards. Certain bacteria, more specifically

Escherichia coli (E. coli), can cause people to become sick. Water quality along the beaches is monitored by testing for E. coli during the beach season. Lifeguards collect the beach water samples, while EM&P handles the sample delivery and weekend testing. The Ministry of Health and Long-Term Care and Public Health Ontario contributes with weekday/holiday testing.

Toronto Public Health determines whether a beach should be opened or closed by reviewing the test results. Staff collected 5,606 beach water samples along all of Toronto's 11 beaches from late May to Labour Day 2018. It should be noted that 8 of Toronto's beaches have received an internationally recognized Blue Flag designation for meeting strict water quality criteria.

14) Pollution Prevention Stakeholder Consultation and Implementation

Currently, the Sewers By-law requires every industrial, commercial and institutional ("ICI") facility discharging any amount of a subject pollutant to submit a P2 Plan to EM&P acknowledging the discharge of that subject pollutant and identifying the steps that may be taken to reduce, substitute or eliminate it. Trace amounts of a subject pollutant may trigger a P2 Plan reporting requirement. At the December 9, 2015 City Council meeting, EM&P staff recommended subject pollutant threshold limits for the purpose of P2 planning. City Council directed staff to report back on a risk-based approach to minimum reporting thresholds, including evaluating the use of existing storm water limits.

Additionally, in January 2016, the former Public Works & Infrastructure Committee directed EM&P staff to undertake a review of chemicals that could impact the City's wastewater treatment plant operations and, as such, should be added as subject pollutants in the Sewers By-law. EM&P conducted preliminary research in late 2016 and started consultation with different levels of government such as the MECP and Environment and Climate Change Canada.

15) Groundwater/Private Water Inter-Divisional Work and Outreach to the Development Industry

The discharge of groundwater, directly or indirectly to a City sewer, is prohibited under the Sewers By-law. An exemption from this requirement may be available in certain circumstances where there are no alternate means of drainage. Additionally, the City's sewage works must have the capacity to handle the quantity of flow, and the quality of the discharge must meet the limits of the Sewers By-law. If a property requires the discharge of groundwater into a City sewer for any reason, including construction dewatering or long-term drainage/dewatering, then an application, along with supporting reports, must be submitted to EM&P for review and approval. The application and supporting reports are required so that the City can assess the quality of the groundwater to ensure compliance with the Sewers By-law and other applicable legislation and to ensure sufficient capacity is available in the City's sewage works.

In 2018, the City continued to hold meetings with the Building Industry and Land Development Association (BILD) and the Residential Construction Council of Ontario (RESCON) to advise on new developments to the approval process.

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SIGNATURE

Lou Di Gironimo
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ATTACHMENTS

Appendix A: Sewers By-law Violations in 2018 by Category

Appendix B: 2018 Sewers and Water Supply By-law Convictions

Appendix C: Companies with Industrial Waste Surcharge Agreements, as of December 31, 2018

Appendix D: Companies with Industrial Waste Surcharge Permits, as of December 31, 2018 (Billed Minimum Surcharge Fee \$500/year)

Appendix E: List of Companies with a Compliance Program in 2018

Appendix F: Outfall Monitoring Program (OMP) Summary, Cross Summary (January 1, 2018 – December 31, 2018)

Appendix G: Outfall Monitoring Program (OMP) Summary, Priority Outfalls Remove/De-listed from the Priority Outfall List in 2018

Appendix H: Outfall Monitoring Program (OMP) Summary, Comparison of Priority Outfalls and De-listed Outfalls in 2017 and 2018

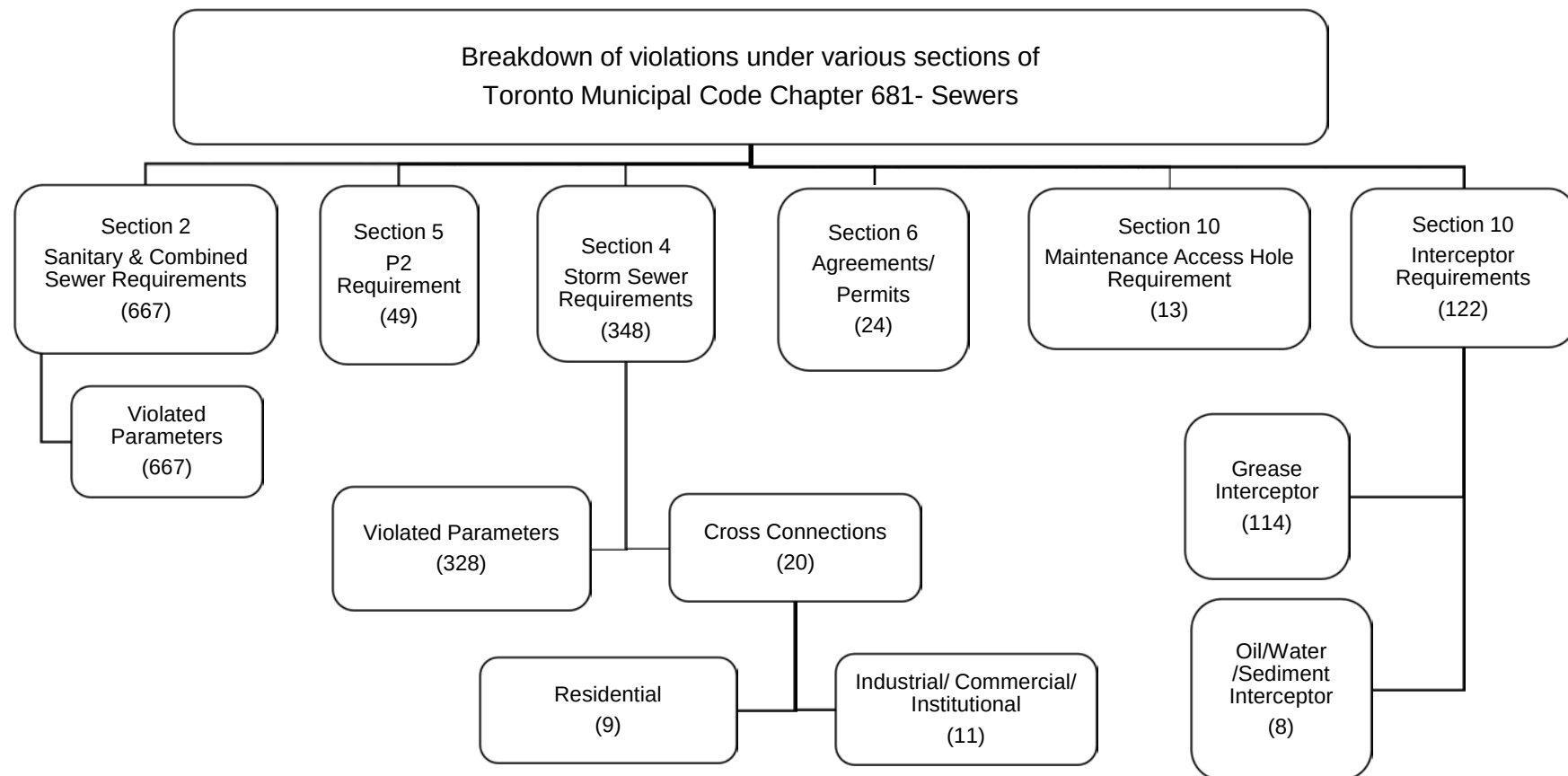
Appendix I: Aerial View of Lavender Creek: Open Channel Section (North of St. Clair Avenue West, west of Weston Road and east of Hilldale Road).

Appendix J: 2019 Lavender Creek Outfall Sampling Locations

Appendix K: 2019 Lavender Creek Outfall Photos

Appendix A: Sewers By-law Violations in 2018 by Category

Note: The number in brackets represents the number of violations. There may be multiple violations within one issued Notice of Violation.



Appendix B: 2018 Sewers and Water Supply By-law Convictions

Conviction Date	Company	Ward	Number of Violations "convicted"	Conviction	Fines (excluding 25% Victim Fine Surcharge)	Outcome of EM&P Enforcement Activity
January 17, 2018	Metropolitan Toronto Condominium Corporation No. 666	1	2	Sewers By-law Sanitary Sewer By-law limit exceedances for Oil and Grease – animal and vegetable (non-mineral), Oil and Grease – mineral and synthetic	\$10,000	Treatment system installed in tenants unit.
January 31, 2018	35 Wabash Avenue Holdings Ltd.	4	2	Sewers By-law Storm Sewer By-law limit exceedances for Suspended Solids (total); Discharging private water without an agreement	\$6,000	The company entered into a Discharge Agreement.
February 21, 2018	Albion Building Consultant Inc.	20	2	Sewers By-law Storm Sewer By-law limit exceedances for Suspended Solids (total); Discharging private water without an agreement	\$7,000	Company is aware of storm sewer requirements and requirements to get a discharge agreement.
February 21, 2018	Daniels QQ Corporation	3	1	Sewers By-law Sanitary Sewer By-law limit exceedances for Suspended Solids (total)	\$5,000	Company is now aware of sanitary sewer requirements.

Conviction Date	Company	Ward	Number of Violations "convicted"	Conviction	Fines (excluding 25% Victim Fine Surcharge)	Outcome of EM&P Enforcement Activity
February 21, 2018	Skygrid Construction Inc.	11	1	Sewers By-law Depositing sewage to the storm sewer	\$5,000	Company is now aware of storm sewer requirements and impacts to water bodies.
February 26, 2018	Flynn Canada Ltd.	21	1	Sewers By-law Failure to report a spill	\$4,000	Company is now aware of spill reporting requirements.
February 28, 2018	KIK Holdco Company Inc.	1	1	Sewers By-law Failure to submit a spill report	\$2,000	Company is now aware of spill reporting requirements.
March 14, 2018	Belpesca Company Ltd. o/a Osler Fish Warehouse	9	2	Sewers By-law Sanitary Sewer By-law limit exceedances for Oil and Grease – animal and vegetable (non-mineral); Phosphorus (total)	\$5,000	Company installed a grease interceptor.
March 19, 2018	M. & G. Hotels Ltd. o/a McVeigh's New Windsor Tavern	13	1	Sewers By-law Failure to submit a spill report	\$1,500	Company is now aware of spill reporting requirements.

Conviction Date	Company	Ward	Number of Violations "convicted"	Conviction	Fines (excluding 25% Victim Fine Surcharge)	Outcome of EM&P Enforcement Activity
March 26, 2018	Powerline Plus Ltd.	21	3	Sewers By-law Storm Sewer By-law limit exceedances for Suspended Solids (total); Di-N-Butyl Phthalate; Discharging private water without an agreement	\$19,000	The Company has taken steps to communicate to all staff the requirements of the By-law including spill reporting.
March 28, 2018	Tradition Fine Foods Ltd.	20	2	Sewers By-law Sanitary Sewer By-law limit exceedances for pH (x2)	\$6,000	Company has installed a treatment system.
April 4, 2018	Duflaw Realty Ltd.	8	2	Water Supply By-Law Failing to have a water meter installed; Direct connection to the waterworks which may or could enabled non-potable water, wastewater, chemical to enter the waterworks	\$6,000	The company installed a water meter and a backflow prevention device.
April 25, 2018	Bird Construction GP Limited	3	2	Water Supply By-Law Failing to install a backflow prevention device; Direct connection to the waterworks which may or could enabled non-potable water, wastewater, chemical to enter the waterworks	\$6,000	The company installed a backflow prevention device.

Conviction Date	Company	Ward	Number of Violations "convicted"	Conviction	Fines (excluding 25% Victim Fine Surcharge)	Outcome of EM&P Enforcement Activity
May 14, 2018	Give and Go Prepared Food	1	2	Sewers By-law Sanitary Sewer By-law limit exceedances for Oil and Grease – animal and vegetable (non-mineral); Discharging matter that may or could contain sewage	\$10,000	Adjustments made to treatment system.
May 22, 2018	Superfinish Company Ltd.	8	1	Sewers By-law Sanitary Sewer By-law limit exceedances for Zinc (total)	\$2,500	Adjustments made to treatment system.
May 23, 2018	59 Project Management	13	4	Sewers By-law Storm Sewer By-law limit exceedances for Suspended Solids (total); Zinc (total); Depositing matter that may or could contain sewage (x2)	\$15,000 + 1 year Prohibition Order	Company is now aware of storm sewer By-law requirements and impacts to water bodies
May 30, 2018	1903017 Ontario Ltd. o/a Tofu Superior	5	1	Sewers By-law Failure to submit a spill report	\$2,000	Company is now aware of spill reporting requirements.
June 20, 2018	2058998 Ontario Inc. o/a CT Bakery	3	7	Sewers By-law Sanitary Sewer By-law limit exceedances for pH (x7)	\$5,000 + Prohibition Order	Company has install a pH treatment system.

Conviction Date	Company	Ward	Number of Violations "convicted"	Conviction	Fines (excluding 25% Victim Fine Surcharge)	Outcome of EM&P Enforcement Activity
June 27, 2018	Baker Street Bakery	3	2	Sewers By-law Sanitary Sewer By-law limit exceedances for Oil and Grease – animal and vegetable (non-mineral); Chloroform	\$6,000	Company has installed a treatment system.
June 27, 2018	Summercove Estates Inc.	11	4	Sewers By-law Failure to submit a spill report; Interconnection between a private storm drainage system and private municipal storm or sanitary sewer; direct connection of any new private sewer connection to the municipal sewer; Discharging of private water without an agreement	\$10,000	Company removed the connection & entered into a discharge agreement.
July 11, 2018	Imperial Electroplating Inc.	7	1	Sewers By-law Sanitary Sewer By-law limit exceedance for Zinc (total)	\$2,000	Adjustments made to treatment system.
July 11, 2018	Dundas Square Gardens Inc.	13	2	Water Supply By-Law Failing to pass water through a water meter; Failing to install a backflow prevention device	\$3,000 + Suspended Sentence	Company is now aware of Water Supply By-Law requirements

Conviction Date	Company	Ward	Number of Violations "convicted"	Conviction	Fines (excluding 25% Victim Fine Surcharge)	Outcome of EM&P Enforcement Activity
July 11, 2018	Mondelez Canada Inc.	9	1	Sewers By-law Sanitary Sewer By-law limit exceedance for pH	\$1,500	Adjustments made to treatment system.
July 25, 2018	3229809 Nova Scotia Company	25	1	Sewers By-law Failure to report a spill	\$2,000	Company is now aware of spill reporting requirements
August 21, 2018	2294671 Ontario Inc., o/a Lahore Tikka House	14	2	Sewers By-law Storm Sewer By-law limit exceedance for Biochemical Oxygen Demand (BOD); Failure to report a spill	\$5,000 + Suspended sentence	Company is now aware of spill reporting requirements
August 22, 2018	Airborn Flexible Circuits	11	1	Sewers By-law Sanitary Sewer By-law limit exceedance for Copper (total)	\$2,500	Adjustments made to treatment system.
August 22, 2018	CanRoof Corporation Inc.	14	3	Sewers By-law Sanitary Sewer By-law limit exceedance for Oil and Grease – mineral and synthetic, Total PAH's (x2)	\$22,000	Company has installed a new wastewater treatment system.

Conviction Date	Company	Ward	Number of Violations "convicted"	Conviction	Fines (excluding 25% Victim Fine Surcharge)	Outcome of EM&P Enforcement Activity
August 22, 2018	Quadcam Development Group Inc.	6	3	Sewers By-law Storm Sewer By-law limit exceedances for Suspended Solids (total); Manganese (total) Water Supply By-Law Installing or maintaining a connection which may or could enable non-potable water, wastewater or any other liquid, chemical or substances to enter the waterworks that may affect the quality of the water supply	\$13,000	Company removed unauthorized connection from the water supply.
August 29, 2018	Dufferin Business Centre	8	4	Sewers By-law Sanitary Sewer By-law limit exceedances for Biochemical Oxygen Demand (BOD); Phosphorus (total); Oil and Grease – animal and vegetable (non-mineral); Oil and Grease – mineral and synthetic	\$14,000	Company has entered into an IWSA with the City.

Conviction Date	Company	Ward	Number of Violations "convicted"	Conviction	Fines (excluding 25% Victim Fine Surcharge)	Outcome of EM&P Enforcement Activity
August 30, 2018	Maystar General Contractors Inc.	3	4	Sewers By-law Storm Sewer By-law limit exceedances for Suspended Solids (total); Manganese (total); Zinc (total); Discharging without prior written approval by way of a discharge agreement or permit	\$22,500 + Suspended sentence	Company is aware of storm sewer requirements and requirements to get a discharge agreement.
September 17, 2018	Nucap Industries Inc.	22	1	Sewers By-law Sanitary Sewer By-law limit exceedance for Oil and Grease – mineral and synthetic	\$3,000	Company has installed a wastewater treatment system.
October 4, 2018	Cintas Canada Limited/Cintas Canada Limitee	4	2	Sewers By-law Sanitary Sewer By-law limit exceedances for Oil and Grease – mineral and synthetic; Zinc (total)	\$8,000	Adjustments made to treatment system.
October 22, 2018	Madison Briar Hill Limited	8	1	Sewers By-law Discharging private water without an permit or agreement	\$3,000	Company is aware of the requirements to get a discharge agreement.

Conviction Date	Company	Ward	Number of Violations "convicted"	Conviction	Fines (excluding 25% Victim Fine Surcharge)	Outcome of EM&P Enforcement Activity
October 22, 2018	Compass Hill Hospitality o/a McDonalds	7	1	Sewers By-law Sanitary Sewer By-law limit exceedance for Oil and Grease – animal and vegetable (non-mineral)	\$2,000	Company has installed a larger grease interceptor.
October 30, 2018	Great Gulf (Downtown Properties) Ltd.	10	1	Sewers By-law Discharging private water to a sanitary or combined sewer not in compliance with a Sanitary Discharge Agreement	\$20,000	Company is now in compliance with the discharge agreement.
November 26, 2018	Lindvest Properties (Westshp) Ltd.	7	3	Sewers By-law Discharging to a private sewer connection which could contain private water; discharging private water directly or indirectly to a municipal sanitary or combined sewer Water Supply By-law Installing or maintaining a connection which may or could enable non-potable water, wastewater or any other liquid, chemical or substances to enter the waterworks that may affect the quality of the water supply	\$12,000	Company is now aware of applying for SDA

Conviction Date	Company	Ward	Number of Violations "convicted"	Conviction	Fines (excluding 25% Victim Fine Surcharge)	Outcome of EM&P Enforcement Activity
November 27, 2018	Buttcon Limited	11	2	Water Supply By-law Failing to pass water through a water meter; Installing or maintaining a connection which may or could enable non-potable water, wastewater or any other liquid, chemical or substances to enter the waterworks that may affect the quality of the water supply	\$5,000	Company installed a backflow prevention device.
December 5, 2018	Bluescape Construction Management Inc.	2	1	Water Supply By-law Turning on/off the supply of water at the shut off valve without prior authorization	\$5,000	Company is now aware of requirements for turning on/off water supply
December 12, 2018	596084 Ontario Inc.	1	1	Sewers By-law Sanitary Sewer By-law limit exceedance for Biochemical Oxygen Demand (BOD)	\$2,000	Company has entered into an IWSA.
December 17, 2018	D.M. Robichaud Associates Ltd.	13	4	Sewers By-law Storm Sewer By-law limit exceedances for Toluene, Total PAHs, Bis (2-ethylhexyl) phthalate; Di-b-butyl phthalate	\$16,000	Company is now aware of storm sewer requirements.

Conviction Date	Company	Ward	Number of Violations "convicted"	Conviction	Fines (excluding 25% Victim Fine Surcharge)	Outcome of EM&P Enforcement Activity
December 17, 2018	Halltech Inc.	25	2	Sewers By-law Sanitary Sewer By-law limit exceedances for Toluene, Zinc (total)	\$7,500	Company has put in control measures to monitor their discharges
				All By-laws	Total \$310,500	
Total Sewers By-law Convictions			35	Sewers By-law fines	Total \$274,500	
Total Water Supply By-law Convictions			7	Water Supply By-law fines	Total \$36,000	

* The number of violations charged may not reflect the number of convictions as some violations that were charged may have been given a suspended sentence or negotiated by withdrawal, to reach a settlement for a conviction.

** Shaded row refers to a conviction under the Water Supply By-Law.

Appendix C: Companies with Industrial Waste Surcharge Agreements, as of December 31, 2018

No.	Industry Name	Address	Ward	Number of parameters	Status as of 2018
1	1135782 Ontario Ltd.	30 Norfinch Drive	7	2	Active
2	1265534 Ontario Inc.	801 Dixon Road	1	2	Active
3	1308963 Ontario Ltd.	1405 Morningside Avenue	25	3	Active
4	1310890 Ontario Limited (Park Inn Toronto)	30 Vice Regent Boulevard	1	3	Active
5	1458935 Ontario Ltd. (o/a Shefa Meats)	195 Bridgeland Avenue	8	4	Active
6	1611895 Ontario Inc.	5 Dohme Avenue	19	2	Active
7	1632825 Ontario Ltd.	31 Penn Drive	7	2	Active
8	1671151 Ontario Inc.	105 Howden Road	21	4	Active
9	1869916 Ontario Inc.	135 Select Avenue	23	4	Active
10	2058998 Ontario Inc.	25 Medulla Avenue	3	2	Active
11	2154431 Ontario Inc.	365 Midwest Road	21	4	Active
12	2168587 Ontario Ltd. (o/a Upper Crust Bakery)	55 Canarctic Drive	6	5	Active
13	2294671 Ontario Incorporated	1365 Gerrard Street East	14	3	Active
14	2389807 Ontario Inc.	3885 Yonge Street	15	3	Active
15	3321061 Canada Inc.(Sunrise Soya Foods)	21 Medulla Avenue	3	5	Active
16	3382699 Canada Inc. (o/a Diana's Seafood)	2101 Lawrence Avenue East	21	4	Active
17	344335 Ontario Limited (o/a Katz's Deli & Corned Beef Emporium)	3300 Dufferin Street	8	4	Active
18	3450 Dufferin Yorkdale Holdings Inc.	3450 Dufferin Street	8	2	Active
19	476992 Ontario Limited	3280 Midland Avenue	22	2	Active
20	476992 Ontario Limited	3290-3300 Midland Avenue	22	2	Active
21	517210 Ontario Limited	1263 Dundas Street West	10	4	Active
22	573349 Ontario Ltd. (The Butcher Shoppe)	121 Shorncliffe Road	3	4	Active
23	699145 Ontario Limited	145 Norfinch Drive	7	3	Active
24	8956642 Canada Corp. (FV Foods)	6-8 Malley Road	20	3	Active
25	A. Lassonde Inc.	95 Vulcan Street	1	4	Active

No.	Industry Name	Address	Ward	Number of parameters	Status as of 2018
26	Ace Bakery Limited	1 Hafis Road	5	2	Active
27	Ace Bakery Limited	1470 Birchmount Road	21	2	Active
28	Active Exhaust Corp.	1865 Birchmount Road	21	1	Active
29	Adelphia Poultry Inc.	61 Torlake Crescent	3	4	Active
30	ADP Direct Poultry Ltd.	42 Taber Road	1	4	Active
31	ADP Direct Poultry Ltd.	34 Vansco Road	3	4	Active
32	Agropur Cooperative	1275 Lawrence Avenue East	16	3	Active
33	Airborn Flexible Circuits Inc.	11 Dohme Avenue	19	2	Active
34	Al Reisman Limited	285 Milliken Boulevard	22	3	Active
35	Al Reisman Limited	3251 Kennedy Road	22	4	Active
36	Allseas Fisheries Inc.	55 Vansco Road	3	4	Active
37	Alness Developments Ltd.	312 Dolomite Drive	6	4	Active
38	Alpha Omega Management Corp.	514 Carlingview Drive	1	4	Active
39	Amsterdam Brewing Co. Limited	45 Esandar Drive	15	4	Active
40	Apollo Health and Beauty Care Inc.	1 Apollo Place	6	4	Active
41	Array Canada Inc.	45 Progress Avenue	21	3	Active
42	Arrow (122/130) Holdings Inc.	130 Arrow Road	7	2	Active
43	Aspiration Holdings Inc.	160 Thermos Road	21	2	Active
44	Aspiration Holdings Inc.	46 Modern Road	21	3	Active
45	Atlantic Packaging Products Ltd.	350 Midwest Road	21	3	Active
46	Atlantic Packaging Products Ltd.	111 Progress Avenue	21	2	Active
47	Atlantic Packaging Products Ltd.	80 Progress Avenue	21	4	Active
48	Atlantic Packaging Products Ltd.	120 Tiffield Road	23	2	Active
49	Baker Street Bakery Inc.	130 The West Mall	3	2	Active
50	Bank Bros. & Son Limited	116 Glen Scarlett Road	5	4	Active
51	Baseline Incorporated	1027 Finch Avenue West	6	2	Active
52	BASF Canada Inc.	10 Constellation Court	1	2	Active
53	Baxter Kitchens Inc.	426 Nugget Avenue	23	2	Active
54	Bedrocan Canada Inc.	16 Upton Road	20	4	Active

No.	Industry Name	Address	Ward	Number of parameters	Status as of 2018
55	Beechgrove Country Foods Inc.	20 Minuk Acres	25	4	Active
56	Belmont Meat Products Limited	230 Signet Drive	7	4	Active
57	Bento Nouveau Ltd.	19 Skagway Avenue	20	3	Active
58	Best Baking Inc.	166 Norseman Street	3	4	Active
59	Bombardier Inc.	123 Garratt Boulevard	6	4	Active
60	Brass Hill Investments Limited	801 Alness Street	6	4	Active
61	Breadsource Corporation	1820 Ellesmere Road	24	4	Active
62	Brimley Industrial Inc.	60 Barbados Boulevard	20	2	Active
63	Cameron Advertising Displays Limited	12 Nantucket Boulevard	21	2	Active
64	Campbell Company Of Canada	60 Birmingham Street	3	2	Active
65	Cana-Datum Moulds Ltd.	55 Goldthorne Avenue	3	2	Active
66	Canadian Linen and Uniform Service Co.	75 Norfinch Drive	7	2	Active
67	Cascades Containerboard Packaging Ontario Inc, a Division of Cascades Canada ULC	450 Evans Avenue	3	4	Active
68	Cascades Containerboard Packaging Ontario Inc, a Division of Cascades Canada ULC	5910 Finch Ave East	25	3	Active
69	Catelectric Inc.	125 Commander Boulevard	23	1	Active
70	Cedar City Paradise (Milliken) Inc.	240-250 Alton Towers	23	3	Active
71	Charlie's Meat & Seafood Supply Ltd.	61 Skagway Avenue	20	4	Active
72	Charlie's Meat & Seafood Supply Ltd.	65 Skagway Avenue	20	4	Active
73	Choice Children's Catering Limited	103 Manville Road	20	2	Active
74	Cintas Canada Limited	23 Torlake Crescent	3	3	Active
75	Cintas Canada Limited	3370 Dundas Street West	4	3	Active
76	Cintas Canada Limited	1110 Flint Road	6	2	Active
77	CMS Ontario Limited	134 Norfinch Drive	7	2	Active
78	Coca-Cola Refreshments Canada Company	24 Fenmar Drive	7	2	Active
79	Commercial Bakeries Corp.	45 Torbarrie Road	7	4	Active
80	Compass Hill Hospitality Inc. (o/a McDonald's)	2362 Finch Avenue West	7	2	Active
81	Corsetti Packers & Realities Ltd.	2255 St. Clair Ave West	5	3	Active

No.	Industry Name	Address	Ward	Number of parameters	Status as of 2018
82	CRH Canada Group Inc.	1185 Martin Grove Road	1	4	Active
83	CRH Canada Group Inc.	1940 McCowan Road	23	1	Active
84	Dart Canada Inc.	2121 Markham Road	23	4	Active
85	Davpart Inc.	75 Horner Avenue	3	4	Active
86	Deco Adhesive Products (1985) Limited	28 Greensboro Drive	1	2	Active
87	Del's Pastry Limited	344 Bering Avenue	3	3	Active
88	Delfresh Foods Inc.	24 Steinway Boulevard	1	4	Active
89	Delmare Quality Foods Inc.	15 Meteor Drive	1	4	Active
90	Dextran Products Limited	421 Comstock Road	20	4	Active
91	Dezen Realty Company Limited	31 Windsor Street	3	4	Active
92	Dimpflmeier Bakery Limited	26-36 Advance Road	3	3	Active
93	Dominion Colour Corporation	199 New Toronto Street	3	4	Active
94	Dufferin Business Centre	2700 Dufferin Street	8	4	Active
95	Elbee Meat Packers Limited	1-3 Glen Scarlett Road	5	4	Active
96	Elite Dairy Ltd.	123 McCormack Street	5	3	Active
97	Etobicoke Noodles Inc.	66 Newcastle Street	3	2	Active
98	Evans & Kipling Properties GP Limited	291-351 Evans Avenue	3	2	Active
99	Falcon Fasteners Reg'd Limited	251 Nantucket Boulevard	21	4	Active
100	Faster Linen Service Limited	89 Torlake Crescent	3	2	Active
101	FCA Canada Inc.	15 Brown's Line	3	4	Active
102	FGF Brands Inc.	1295 Ormont Drive	7	4	Active
103	Fiera Foods Company	220 Norelco Drive	7	3	Active
104	Fiera Foods Company	50 Marmora Street	7	4	Active
105	Firan Technology Group Corporation	250 Finchdene Square	23	2	Active
106	First Capital Holdings (Ontario) Corporation	175 Commander Boulevard	23	2	Active
107	Food Directions Inc.	120 Melford Drive Unit 8	23	4	Active
108	Future Bakery Limited	106 North Queen Street	3	4	Active
109	G.K. Chemical Specialities Co. Inc.	90 Barbados Boulevard	20	3	Active
110	Gay Lea Foods Co-Operative Limited	100 Clayson Road	7	3	Active

No.	Industry Name	Address	Ward	Number of parameters	Status as of 2018
111	Gay Lea Foods Co-Operative Limited	180 Ormont Drive	7	3	Active
112	Gen-Evo Investments Incorporated (o/a Canadian Select Meat)	145A Bethridge Road	1	2	Active
113	Gelato Fresco Inc.	60 Tycos Drive	8	2	Active
114	GFL Environmental Inc.	242 Cherry Street	14	3	Active
115	Gibson's Cleaners Co. Limited	4241 Dundas Street West	3	2	Active
116	Give and Go Prepared Foods Corp.	6650 Finch Avenue West	1	3	Active
117	Give and Go Prepared Foods Corp.	300 Humber College Boulevard	1	2	Active
118	Global Egg Corporation	283 Horner Avenue	3	4	Active
119	Grande Cheese Company Limited	175 Milvan Drive	7	2	Active
120	Great Lakes Brewing Company Inc.	30 Queen Elizabeth Boulevard	3	3	Active
121	Griffith Laboratories Limited	757 Pharmacy Avenue	20	4	Active
122	GSI Slough Properties Inc.	2200 Markham Road	23	4	Active
123	Halltech Inc.	465 Coronation Drive	25	3	Active
124	Handi Foods Ltd.	190 Norelco Drive	7	3	Active
125	Harmar Limited	4490 Chesswood Drive	6	3	Active
126	Hoi Tin Food Products Ltd.	439 Birchmount Road	20	4	Active
127	Hung Shing Meat Trading Ltd.	23 Commander Boulevard	23	4	Active
128	Hung Wang Foods Inc.	751 Warden Avenue	20	3	Active
129	International Cheese Co. Ltd	67 Mulock Avenue	5	4	Active
130	International Food Centre Ltd.	1415 Bloor Street West	9	3	Active
131	Irving Consumer Products Limited	1551 Weston Road	5	2	Active
132	Joriki Inc.	3431 McNicoll Avenue	23	2	Active
133	K.R. Property Management Agency Incorporated	100 McLevin Avenue	23	2	Active
134	Kam Li Food Co. Ltd.	229 Broadview Avenue	14	2	Active
135	Kerr Bros. Limited	956 Islington Avenue	3	2	Active
136	KIK Operating Partnership	13 Bethridge Road	1	4	Active
137	KIK Operating Partnership	2000 Kipling Avenue	1	4	Active

No.	Industry Name	Address	Ward	Number of parameters	Status as of 2018
138	Kilbarry Holding Corporation	1889 Albion Road	1	3	Active
139	Koch Heat Transfer Canada LP	4750 Sheppard Ave East	23	3	Active
140	Korex Canada Company	104 Jutland Road	3	4	Active
141	KSD Enterprises Ltd.	655 Dixon Road	2	2	Active
142	Kwan & Kwan Limited	888-900 Don Mills Road	16	2	Active
143	Lanxess Canada Co./CIE	10 Chemical Court	25	4	Active
144	Leader Plating on Plastics Ltd.	2 Jody Avenue	7	1	Active
145	Lifelabs LP	100 International Boulevard	1	3	Active
146	Lina-Arvind Holdings Inc.	250 Norfinch Drive	7	1	Active
147	Loders Croklaan Canada Inc.	195 Belfield Road	1	2	Active
148	Luiza Investments Limited	3501 McNicoll Avenue	23	3	Active
149	Lush Manufacturing Ltd.	35 Jutland Road	3	3	Active
150	MacGregors Meat & Seafood Ltd.	265 Garyray Drive	7	2	Active
151	Madina Fine Foods Inc.	128 Sunrise Avenue	16	2	Active
152	Maple Leaf Foods Inc.	100 Ethel Avenue; 99 & 109 Ryding Avenue	5	4	Active
153	Maple Leaf Foods Inc.	25 LePage Court	6	4	Active
154	Maple Leaf Foods Inc.	92 Cartwright Avenue	8	4	Active
155	Marc Corporation	1320 Ellesmere Road	21	4	Active
156	Marini Foods Ltd.	184 Toryork Drive	7	2	Active
157	Marriott Hotels of Canada Ltd.	901 Dixon Road	1	2	Active
158	Metrolinx	91 Judson Street	3	5	Active
159	Metrolinx	125 Judson Road	3	2	Active
160	Metropolitan Toronto Condominium Corporation No. 666	1850 Albion Road	1	3	Active
161	Metropolitan Toronto Condominium Corporation No. 807	40 Skagway Avenue	20	4	Active
162	Metropolitan Toronto Condominium Corporation No. 826	100 and 110 Silver Star Boulevard	22	2	Active

No.	Industry Name	Address	Ward	Number of parameters	Status as of 2018
163	Metropolitan Toronto Condominium Corporation No. 825	110 Ironside Crescent	23	3	Active
164	Metropolitan Toronto Condominium Corporation No. 862	63 Silver Star Boulevard	22	4	Active
165	Metropolitan Toronto Condominium Corporation No. 870	110 Dynamic Drive	23	4	Active
166	Metropolitan Toronto Condominium Corporation No. 870	120 Dynamic Drive	23	4	Active
167	Metropolitan Toronto Condominium Corporation No. 895	21 Steinway Boulevard, Unit 12	1	4	Active
168	Metropolitan Toronto Condominium Corporation No. 896	2691 Markham Road	23	3	Active
169	Metropolitan Toronto Condominium Corporation No. 948	21 Milliken Boulevard	22	4	Active
170	Metropolitan Toronto Condominium Corporation No. 948	23,25,27 Milliken Boulevard	22	4	Active
171	Metropolitan Toronto Condominium Corporation No. 960	328 Passmore Avenue Building A	23	4	Active
172	Metropolitan Toronto Condominium Corporation No. 960	328 Passmore Avenue Building B & C	23	4	Active
173	Metropolitan Toronto Condominium Corporation No. 967	38 Thornmount Drive	25	4	Active
174	Metropolitan Toronto Condominium Corporation No. 967	50 Thornmount Drive	25	4	Active
175	Metropolitan Toronto Condominium Corporation No. 1026	87 Thornmount Drive	25	3	Active
176	Metropolitan Toronto Condominium Corporation No. 1026	89 Thornmount Drive	25	3	Active

No.	Industry Name	Address	Ward	Number of parameters	Status as of 2018
177	Metropolitan Toronto Condominium Corporation No. 1064	5320 Finch Avenue East	23	2	Active
178	Metropolitan Toronto Condominium Corporation No. 1115	3833 Midland Avenue	23	2	Active
179	Metropolitan Toronto Condominium Corporation No. 1141	8 Glen Watford Drive	23	2	Active
180	Molson Canada 2005	1 Carlingview Drive	1	4	Active
181	Mondelez Canada Inc.	5 Bermondsey Road	19	3	Active
182	Mondelez Canada Inc.	40 Bertrand Avenue	21	3	Active
183	Mondelez Canada Inc.	277 Gladstone Avenue	9	3	Active
184	Mondelez Canada Inc.	370 Progress Avenue	21	2	Active
185	Moriah Food Services Ltd. (o/a McDonalds Restaurants)	2 Ingram Drive	5	2	Active
186	Morrison Lamothe Inc.	141 Finchdene Square	23	4	Active
187	Morrison Lamothe Inc.	399 Evans Avenue	3	3	Active
188	Mr. Potato Inc.	355 Midwest Road	21	4	Active
189	MTCC GP Inc.	255 Front Street	10	2	Active
190	Mucher Enterprises Limited	1821 Albion Road	1	3	Active
191	Mucher Enterprises Limited	1801-1811 Albion Road	1	2	Active
192	Multi-National Manufacturing Ltd.	65 Melford Drive	23	3	Active
193	N. Turk Investments Limited	10 Melford Drive	23	4	Active
194	N. Turk Investments Limited	20 Melford Drive	23	4	Active
195	Nadege Group Ltd.	855 Oxford Street	3	3	Active
196	National Dry Company Limited	30 Arrow Road	7	2	Active
197	Nestle Canada Inc.	72 Sterling Road	9	4	Active
198	New Forest Paper Mills LP	333 Progress Avenue	21	5	Active
199	Newgen Restaurant Services Inc.	15 Carlson Court	1	3	Active
200	Nino D'Aversa Bakery Limited	1 Toro Road	6	3	Active
201	Nitta Gelatin Canada, Inc.	60 Paton Road	9	4	Active

No.	Industry Name	Address	Ward	Number of parameters	Status as of 2018
202	North Fish Company Ltd.	5 Six Point Road	3	2	Active
203	North John Holdings Inc.	555 Steeprook Drive	6	4	Active
204	Oak Leaf Confections Co.	440 Comstock Road	20	2	Active
205	Ocean Food Company Limited	3 Turbina Avenue	23	2	Active
206	Omega Alpha Pharmaceuticals Inc.	795 Pharmacy Avenue	20	4	Active
207	Ontario Holdings Ltd.	120 McLevin Avenue	23	3	Active
208	Ontario Bakery Supplies Limited	84 Oakdale Road	7	4	Active
209	Owens-Corning Insulating Systems Canada LP	3450 McNicoll Avenue	23	3	Active
210	Parmalat Canada Inc.	25 Rakely Court	2	4	Active
211	Pepe's Mexican Foods Inc.	122 Carrier Drive	1	4	Active
212	Pestrin Group Limited	315 Humberline Drive	1	4	Active
213	Peter the Chef Fine Food Limited	401 Humberline Drive	1	4	Active
214	Pianosi Bros. Construction Limited	471-515 Champagne Drive	6	4	Active
215	Pizza Limited	58 Advance Road	3	2	Active
216	Planway Poultry Inc.	26 Canmotor Avenue	3	4	Active
217	Portuguese Cheese Company Limited	2 Buckingham Street	3	4	Active
218	Production Paint Stripping Ltd.	11 McLachlan Drive	1	5	Active
219	Progressive Anodizers Inc.	41 Crockford Boulevard	21	1	Active
220	Propack Foods Inc.	130 Bermondsey Road	16	2	Active
221	Pure Food Meat Solutions Inc.	10 Shorncliffe Road	3	4	Active
222	Pyung Hwa Food Company Inc.	7 Kenhar Drive	7	2	Active
223	Q.H. Food Products Inc.	484 Rogers Road, Unit 2	5	3	Active
224	R.F.G. Canada Inc.	50 Claireport Crescent	1	2	Active
225	Real Food for Real Kids Inc.	115 Saulter Street South	14	3	Active
226	Red Lobster Canada Inc.	3252 Sheppard Avenue East	22	4	Active
227	Redpath Sugar Ltd.	95 Queen's Quay East	10	3	Active
228	Revolution Environmental Solutions LP	55 Vulcan Street	1	5	Active
229	Rohm and Haas Canada LP	2 Manse Road	25	2	Active
230	Ryding- Regency Meat Packers Ltd.	70 Glen Scarlett Road	5	4	Active

No.	Industry Name	Address	Ward	Number of parameters	Status as of 2018
231	Saand Inc.	25 Brockport Drive	1	1	Active
232	Select Foods Products, Limited	120 Sunrise Avenue	16	4	Active
233	Selenex Corporation Limited	1710 Midland Avenue	21	2	Active
234	Servisair Deicing Services Inc. (GTAA)	2400 Britannia Road East	N/A	1	Active
235	Shelmac Brand Products Inc.	1289 Caledonia Road	8	2	Active
236	Shorewood Packaging Corp. of Canada Limited	2220 Midland Avenue	21	4	Active
237	Shorting-Sheppard Centre Inc.	144 Shorting Road, Building C	23	2	Active
238	Siltech Corporation	225 Wicksteed Avenue	15	2	Active
239	SIR Corp.	25 Carlson Court	1	3	Active
240	Sky & Land Food Inc.	38 Milliken Boulevard	22	4	Active
241	Sofina Foods Inc.	401 Canarctic Drive	6	3	Active
242	Sofina Foods Inc.	353 Humberline Drive	1	4	Active
243	Sofina Foods Inc.	170 Nugget Avenue	23	3	Active
244	Solmaz Foods Inc.	16 Jutland Road	3	3	Active
245	Sonoma Nutraceuticals Inc.	130 McLevin Avenue Unit 7	23	3	Active
246	Spec Furniture Inc.	165 City View Drive	1	3	Active
247	St. Clair Ice Cream Limited	2859 Danforth Avenue	19	2	Active
248	St. George's Golf and Country Club	1668 Islington Avenue	2	2	Active
249	Stanley Manufacturing Company Inc.	230 Bartley Drive	16	2	Active
250	Starboard Seafood (Ontario) Inc.	33 Upton Road	20	4	Active
251	Steam Whistle Brewing Inc.	255 Bremner Boulevard	10	4	Active
252	Sterling Silver Development Corporation	689 Warden Avenue	20	2	Active
253	Stonemill Bakehouse, A Division of Canada Bread Company, Limited	365 Passmore Avenue	23	2	Active
254	Supreme Egg Products Inc.	17 Newbridge Road	3	4	Active
255	Surati Sweet Mart Limited	300 Middlefield Road	23	3	Active
256	Suvasa Holdings Limited	440-442 Brimley Road	20	4	Active
257	SWA Toronto L.P.	1 Harbour Square	10	2	Active
258	The Tripe Factory Corporation	95 Milliken Boulevard	22	4	Active

No.	Industry Name	Address	Ward	Number of parameters	Status as of 2018
259	Tiffany Gate Foods Inc.	195 Steinway Boulevard	1	3	Active
260	Tilzen Holdings Limited	40 Nugget Avenue	23	4	Active
261	Topper Linen Supply Limited (North)	26 Mulock Avenue	5	2	Active
262	Topper Linen Supply Limited (South)	24-36 Mulock Avenue	5	2	Active
263	Torgan Construction Limited	4186-4190 Finch Avenue East	22	2	Active
264	Toronto Standard Condominium Corporation No. 1718	4779 Steeles Avenue East	22	2	Active
265	Toronto Standard Condominium Corporation No. 2124	3250-3278 Midland Avenue	22	2	Active
266	Toronto Standard Condominium Corporation No. 2255	19 & 25 Woodbine Downs 6628, 6630, 6640 Finch Avenue West	1	3	Active
267	Toronto Standard Condominium Corporation No. 2528	80 Galaxy Boulevard	1	4	Active
268	Toronto Transit Commission	38 Comstock Road	20	4	Active
269	Toronto Transit Commission	400 Danforth Avenue	14	3	Active
270	Toronto Transit Commission	400 Greenwood Avenue	14	2	Active
271	Toryork Catering (1988) Ltd.	230 Milvan Drive	7	2	Active
272	TP Poultry Inc.	239 Toryork Drive	7	4	Active
273	Tradition Fine Foods Ltd.	663 Warden Avenue	20	2	Active
274	Trafalgar Industries of Canada	333 Rimrock Road	6	2	Active
275	Trillium Beverage Inc.	21 Tankhouse Lane	21	3	Active
276	Trillium Beverage Inc.	125 Bermondsey Road	16	4	Active
277	TWI Foods Inc.	40-42 Shaft Road	1	4	Active
278	Univar Canada Ltd.	64 Arrow Road	7	2	Active
279	U-Pak Disposals (1989) Limited	15 Tidemore Avenue	1	4	Active
280	Vegfresh Inc. & GMASJ Ontario Inc.	1290 Ormont Drive	7	4	Active
281	Ventura Foods Canada ULC	50 Torlake Crescent	3	2	Active
282	Via Rail Canada Inc.	280 New Toronto Street	3	4	Active

No.	Industry Name	Address	Ward	Number of parameters	Status as of 2018
283	Victory's Kitchen Ltd.	30 Gunns Road	5	4	Active
284	W.T. Lynch Foods Limited	72 Rainside Road	16	3	Active
285	Wagener's Meat and Delicatessen Limited	40-44 Six Point Road	3	4	Active
286	*Individual Names Withheld*	3380 Midland Avenue	22	4	Active
287	Walker Environmental Group Inc.	290 Garyray Drive	7	3	Active
288	Warmia Deli and Meat Products Ltd.	63 Mulock Avenue	5	4	Active
289	West End Meat Packers Ltd.	377 Olivewood Road	3	4	Active
290	Weston Bakeries Limited	26 Pine Street	5	3	Active
291	Westrock Company of Canada Inc.	730 Islington Avenue	3	2	Active
292	Weybright Business Court Inc.	60 Weybright Court	22	4	Active
293	Wildly Delicious Preserve Company Limited	114A Rainside Road	16	4	Active
294	Wholesome Harvest Baking Ltd.	271 Attwell Drive	1	2	Active
295	Wing Hing Lung Limited	550 Kipling Avenue	3	4	Active
296	Ya Foods Corp.	450 Kipling Avenue	1	2	Active
297	York Condominium Corporation No. 485	30 Titan Road	3	4	Active
298	Yoplait Liberte Canada Co.	60 Brisbane Road	6	4	Active
299	Zhi Fong Trading Company Ltd.	46 Kensington Avenue	11	3	Active
300	1599544 Ontario Inc.	165 Milner Avenue	23	2	New Active Surcharge
301	2259671 Ontario Inc. (Victory Laundry & Linen)	165 Midwest Road	21	2	New Active Surcharge
302	2627765 Ontario Ltd.	161 Rexdale Boulevard	1	3	New Active Surcharge
303	596084 Ontario Inc.	2136 & 2140 Kipling Avenue	1	3	New Active Surcharge
304	ABC Group Inc.	2 Norelco Drive	7	3	New Active Surcharge
305	Al Reisman Limited	3241 Kennedy Road	22	2	New Active Surcharge
306	Al Reisman Limited	275 Milliken Boulevard	22	2	New Active Surcharge
307	Al Reisman Limited	295 Milliken Boulevard	22	3	New Active Surcharge
308	Al Reisman Limited	300 Milliken Boulevard	22	3	New Active Surcharge
309	Al Reisman Limited	19, 23 & 27 Passmore Avenue	22	3	New Active Surcharge
310	Alfa Laval Inc.	101 Milner Avenue	23	3	New Active Surcharge
311	Bartlett Family Restaurants Inc.	2701 Lawrence Avenue East	21	4	New Active Surcharge

No.	Industry Name	Address	Ward	Number of parameters	Status as of 2018
312	Brimley Industrial Inc.	120 Barbados Boulevard	20	4	New Active Surcharge
313	Cintas Canada Limited	940 Warden Avenue	21	2	New Active Surcharge
314	Compass Hill Hospitality Inc.	3929 Keele Street	6	2	New Active Surcharge
315	Consumers Road Investments Inc.	501 Consumers Road	17	2	New Active Surcharge
316	Dundas Real Estate Investments Inc.	4500 Sheppard Avenue East	23	3	New Active Surcharge
317	Eastern Boutique Ltd.	1285 Caledonia Road	8	2	New Active Surcharge
318	FCHT Holdings (Ontario) Corporation	895 Lawrence Avenue East	16	4	New Active Surcharge
319	Jerry Fishman Investments Limited	40 Beverly Hills Drive	7	4	New Active Surcharge
320	Melford Industrial Inc.	50 Melford Drive	23	2	New Active Surcharge
321	Midland Industrial Mall Ltd.	2220 Midland Avenue	21	2	New Active Surcharge
322	Morguard Realty Holdings Inc.	1875 Leslie Street	16	3	New Active Surcharge
323	Teknion Limited	1150 Flint Road	6	3	New Active Surcharge
324	Veldare Investments Limited	80 Midwest Road	21	2	New Active Surcharge
325	Viscor Inc.	35 Oak Street	5	2	New Active Surcharge
326	Viva Media Packaging (Canada) Ltd	1663 Neilson Road	25	1	New Active Surcharge
327	2209008 Ontario Ltd. (o/a Asian Buffet)	161 Rexdale Boulevard	1	3	Terminated (August 2018)
328	Canadian Analytical Laboratories Inc.	1060 Tapscott Road	23	2	Closed Q1 2018
329	Central - Epicure Food Products Limited	501 Garyray Drive	7	3	Closed January 2018
330	Crystal Claire Cosmetics Inc.	20 Overlea Boulevard	15	4	Terminated Q1 2018
331	G&K Services Canada Inc.	940 Warden Avenue	21	2	Closed
332	Louis Dreyfus Commodities Canada Ltd.	55 Torlake Crescent	3	3	Closed March 2018
333	Wilben Investments Limited	22 Eddystone Avenue	7	3	Terminated (July 2018)
334	Wing Hing Lung Limited	275 Albany Avenue	11	2	Closed January 2018
335	Ms. Clean Inc.	25 Windsor Street	3	2	Corporate Name Change (February 2018)
336	Weston Foods (Canada) Inc.	675 Fenmar Drive	7	2	Corporate Name Change (January 2018)
337	Weston Foods (Canada) Inc.	1965 Lawrence Avenue West	5	2	Corporate Name Change (January 2018)

Appendix D: Companies with Industrial Waste Surcharge Permits, as of December 31, 2018 (Billed Minimum Surcharge Fee \$500/year)

No.	Industry Name	Address	Ward	Status as of 2018
338	1027766 Ontario Ltd. (o/a Gia Phat Foods)	155 Augusta Avenue	11	Active
339	1354335 Ontario Inc.	225 Claireport Crescent	1	Active
340	2117129 Ontario Inc. (o/a Modern Laundry)	282 Dupont Street	11	Active
341	3270679 Nova Scotia Company	37 King Street East	13	Active
342	882194 Ontario Limited	70 Production Drive	24	Active
343	953517 Ontario Limited (o/a Pavao Meats & Deli)	1435 & 1441 Dundas Street West	9	Active
344	ABC INOAC Exterior Systems Inc.	220 Brockport Drive	1	Active
345	Alsafa & Almarwa Meat Processing Inc.	49-51 Six Point Road	3	Active
346	Apotex Inc.	150 Signet Drive	7	Active
347	Belpesca Company Limited (o/a Osler Fish Warehouse)	16 Osler Street	9	Active
348	Canada Post Corporation	1860 Midland Avenue	21	Active
349	Canadian Linen and Uniform Service Co.	24 Atomic Avenue	3	Active
350	Celestica International Inc.	844 Don Mills Road	16	Active
351	Cosmetica Investments Inc.	1960 Eglinton Avenue East	21	Active
352	Dixon International Hospitality Inc.	600 Dixon Road	1	Active
353	Dixon Toronto Airport Holdings Inc.	970 Dixon Road	1	Active
354	Estee Lauder Cosmetics Ltd.	161 Commander Boulevard	23	Active
355	Feather Industries (Canada) Limited	115 Glen Scarlett Road	5	Active
356	Fifty-One Galaxy Properties Inc.	51 Galaxy Boulevard	1	Active
357	Filicetti Foods (International) Inc.	350 Garyray Drive	7	Active
358	Ganz Realty Limited	411-435 Horner Avenue	3	Active
359	Grosnor Industries Inc.	375 Rexdale Boulevard	1	Active
360	Ingemar Sales Inc.	24 Chauncey Avenue	3	Active
361	Kings Hospitality Inc. (o/a Boston Pizza)	5 Carlson Court	1	Active
362	Lincoln Electric Company of Canada LP	179 Wicksteed Avenue	15	Active
363	Lounsbury Foods Limited	11 Wiltshire Avenue	9	Active

No.	Industry Name	Address	Ward	Status as of 2018
364	Magna International Inc.	225 Claireville Drive	1	Active
365	Metropolitan Toronto Condominium Corporation No. 870	130 Dynamic Drive, Units 1-21	23	Active
366	Metropolitan Toronto Condominium Corporation No. 963	244-246 Brockport Drive	1	Active
367	Metropolitan Toronto Condominium Corporation No. 982	15 Richmond Street East	13	Active
368	Metropolitan Toronto Condominium Corporation No. 1064	5318 Finch Avenue East	23	Active
369	Metropolitan Toronto Condominium Corporation No. 1406	21 Royalcrest Road	1	Active
370	Navroz Hospitality Services Inc.	2151 Kingston Road	20	Active
371	Nucap Industries Inc.	3370 Pharmacy Avenue	22	Active
372	Pro Pak Packaging Limited	51 Kelfield Street	1	Active
373	Purolator Inc.	62 Vulcan Street	1	Active
374	RPM Canada Company.	220 Wicksteed Avenue	15	Active
375	Rudolph's Bakeries Ltd.	390 Alliance Avenue	5	Active
376	Rudolph's Bakeries Ltd.	400 Alliance Avenue	5	Active
377	Saand Rexdale	355 Attwell Drive	1	Active
378	Sandman Hotels, Inn & Suites Limited	55 Reading Court	1	Active
379	ShaSha Bread Company Inc.	10 Plastics Avenue	3	Active
380	ShaSha Bread Company Inc.	20 Plastics Avenue	3	Active
381	Shawcor Ltd.	25 Bethridge Road	1	Active
382	Terrazzo, Mosaic & Tile Company Limited	900 Keele Street	5	Active
383	Teva Canada Limited	30 Novopharm Court	23	Active
384	Tilzen Holdings Limited	60 Nugget Avenue	23	Active
385	Toronto Port Authority	60 Harbour Street	10	Active
386	Toronto Transit Commission	1138 Bathurst Street	12	Active
387	Toronto Transit Commission	580 Commissioners Street	14	Active
388	Toronto Transit Commission	400 Evans Avenue	3	Active
389	Viasystems Toronto Inc.	8150 Sheppard Avenue East	25	Active
390	Windsor Arms Hotel	18-22 St. Thomas Street	3	Active

No.	Industry Name	Address	Ward	Status as of 2018
391	Cascades Containerboard Packaging Ontario Inc. – Coyle Division	5600 Finch Avenue East	23	Corporate Name Change (Jan 1, 2018)
392	Postmedia Network Inc.	2250 Islington Avenue	1	Corporate Name Change (Jan 1, 2018)

Appendix E: List of Companies with a Compliance Program in 2018

WWT = Wastewater Treatment Installed; P2 = Pollution Prevention

Industry Name	Address	Ward	Compliance Agreement			Comments
			Program Date		Parameters	
			Start	End		
Apollo Health and Beauty Care Inc.	1 Apollo Place	6	Mar 21, 2018	Jan 21, 2019	Zinc (total); Oil and Grease - animal and vegetable (non-mineral); Oil and Grease - mineral and synthetic	Terminated for non-compliance with agreement (WWT)
Arts Metal Finishing (2399296 Ontario Inc.)	555 Canarctic Drive	6	Aug 20, 2018	Nov 30, 2018	Aluminum (total); Nickel (total); Chromium (total); Copper (total); Zinc (total)	Terminated for non-compliance with agreement (WWT)
Bombardier Inc.	123 Garratt Boulevard	6	Mar 05, 2018	May 31, 2018	Manganese (total); Zinc (total)	Fulfilled compliance activities. (P2)
Bombardier Inc.	123 Garratt Boulevard	6	Jul 03, 2018	Aug 31, 2018	Manganese (total); Zinc (total)	Fulfilled compliance activities. (P2)
Bombardier Inc.	123 Garratt Boulevard	6	Nov 27, 2018	May 01, 2019	Manganese (total); Zinc (total)	Company still active with compliance plan agreement. (P2)
Cintas Canada Limited	3370 Dundas Street West	4	Oct 22, 2018	Dec 31, 2018	Oil and Grease - mineral and synthetic	Fulfilled compliance activities. (WWT)
Commercial Bakeries Corp.	45 Torbarrie Road	7	Jun 18, 2018	Jan 31, 2019	Oil and Grease - animal and vegetable (non-mineral);	Company still active with compliance plan agreement.

Industry Name	Address	Ward	Compliance Agreement			Comments
			Program Date		Parameters	
			Start	End		
					Oil and Grease - mineral and synthetic	(WWT)
Imperial Oil Limited	1150 Finch Avenue West	6	Apr 30, 2018	Jul 31, 2018	Manganese (total); Zinc (total); Suspended Solids (total)	Fulfilled compliance activities. (P2)
Imperial Oil Limited	1150 Finch Avenue West	6	Oct 22, 2018	Nov 30, 2019	Manganese (total); Zinc (total); Suspended Solids (total)	Company still active with compliance plan agreement. (P2)
Irving Consumer Products Limited	1551 Weston Road	5	Feb 05 2018	Dec 29, 2018	Oil and Grease - mineral and synthetic	Company still active with compliance plan agreement. (P2)
Maple Leaf Foods Inc.	100 Ethel Avenue	5	Oct 22, 2018	Dec 31, 2018	Oil and Grease - animal and vegetable (non-mineral); Oil and Grease - mineral and synthetic; pH	Fulfilled compliance activities. (WWT)
Shell Canada Products	3975 Keele Street	6	Jul 16, 2018	Nov 30, 2018	Manganese (total); Zinc (total)	Fulfilled compliance activities. (P2)
Superfinish Co. Ltd.	1203 Lawrence Avenue W	8	Mar 8, 2018	Jun 15, 2018	Copper (Total); Zinc (Total)	Terminated due to ownership change (WWT)

Appendix F: Outfall Monitoring Program (OMP) Summary Cross Connection Summary (January 1, 2018 – December 31, 2018)

Watershed	Cross Connections Found*	Cross Connections Corrected**
Black Creek	1	1
Don River	3	3
Highland Creek	4	4
Humber River	2	2
Etobicoke Creek	1	1
Taylor Massey Creek	5	4
Lake Ontario	3	1
Rouge River	1	1
TOTAL	20	17

* Of the total cross connections found, 9 were residential, 9 were commercial, and 2 were industrial.

** Of the total cross connections corrected, 9 were residential, 6 were commercial, 2 were industrial.

Appendix G: Outfall Monitoring Program (OMP) Summary, Priority Outfalls Removed/De-listed from the Priority Outfall List in 2018

Outfall ID	Watershed	Ward
DR93-1	Don River	15
DR100	Don River	15
DR284	Don River	6
DR353	Don River	15
DR379	Don River	16
HCW206	Highland Creek	22
HR34	Humber River	4
HR85	Humber River	5
TC25	Taylor Massey Creek	19

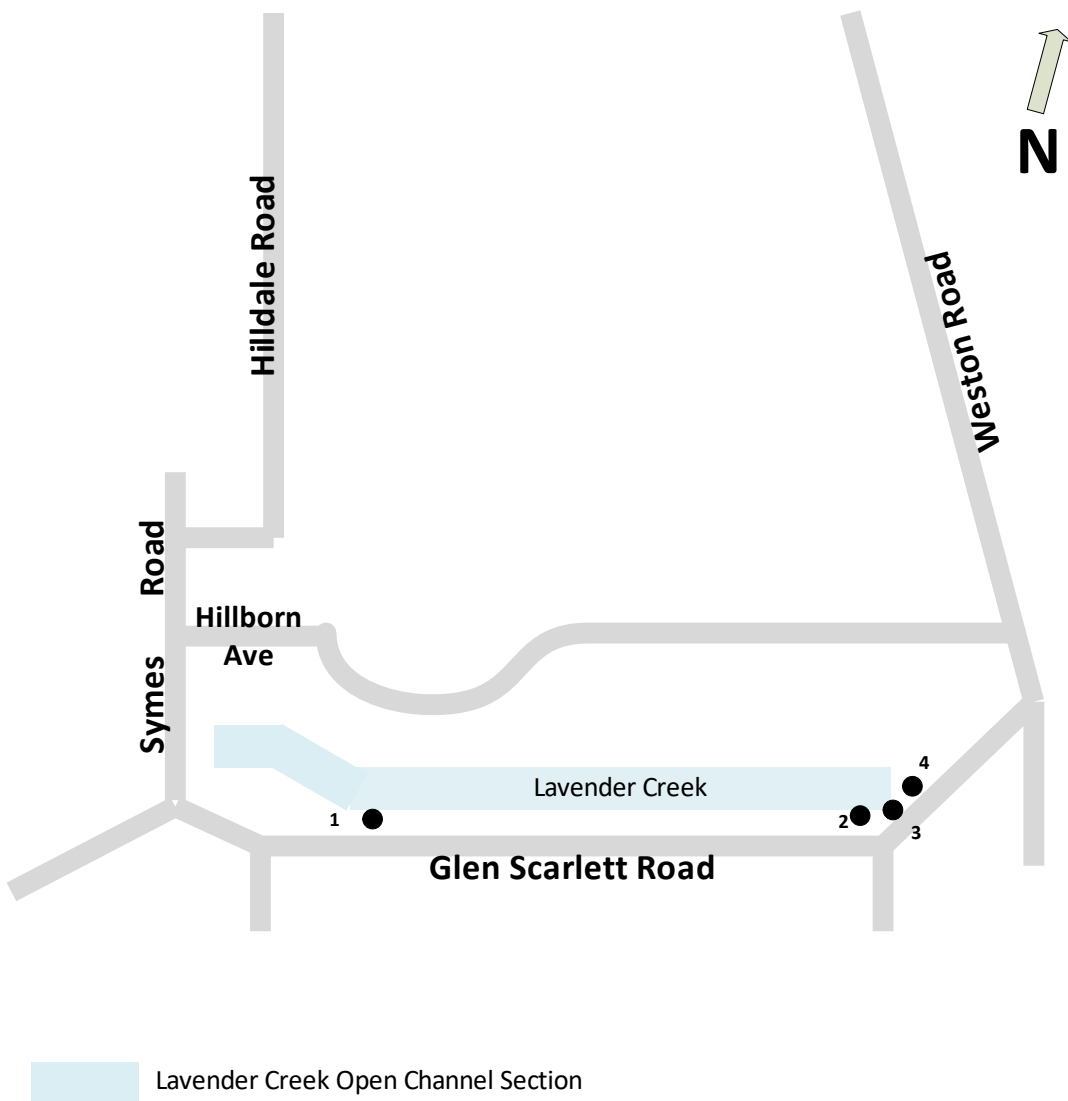
Appendix H: Outfall Monitoring Program (OMP) Summary, Comparison of Priority Outfalls and De-listed Outfalls in 2017 and 2018

Watershed	Priority Outfalls as of Dec. 31, 2017	Priority Outfalls De-listed in 2018	Priority Outfalls as of Dec. 31, 2018	Priority Outfalls De-listed Since Start of OMP	Outfalls of Concern as of Dec. 31, 2017	Outfalls of Concern as of Dec. 31, 2018
Black Creek	2	0	2	15	0	0
Etobicoke Creek	0	0	0	3	0	0
Don River	18	5	13	14	0	0
Highland Creek	13	1	13	38	1	0
Humber River	3	2	1	18	0	0
Lake Ontario	0	0	0	10	0	0
Mimico Creek	0	0	0	12	0	0
Rouge River	2	0	2	1	0	0
Taylor-Massey Creek	12	1	15	44	0	17
TOTAL	50	9	46	155	1	17

Appendix I: Aerial View of Lavender Creek: Open Channel Section (North of St. Clair Avenue West, west of Weston Road and east of Hilldale Road).



Appendix J: 2019 Lavender Creek Outfall Sampling Locations



1. BC29 (Formerly L123)
2. BC29-1 (Formerly L125)
3. BC29-2
4. BC29-3 (Formerly L127)

Appendix K: 2019 Lavender Creek Outfall Photos

Figure 1: Outfall BC29 (formerly L123)



Figure 2: Outfall BC29-1 (formerly L125)



Figure 3: Outfall BC29-2



Figure 4: Outfall BC29-3 (formerly L127)

