

BY-LAW NUMBER 46 OF 2014

CORPORATION OF THE TOWN OF ST. MARYS

BEING A BY-LAW TO PROVIDE FOR THE REGULATION OF WATER SUPPLY AND WASTEWATER AND STORM WATER COLLECTION IN THE TOWN OF ST. MARYS.

WHEREAS The Corporation of the Town of St. Marys is a single tier municipality;

AND WHEREAS pursuant to subsection 10(1) of the *Municipal Act, 2001* S.O. 2001, c. 25, as amended, a single tier municipality may pass by-laws respecting any service or thing that it considers necessary or desirable for the public;

AND WHEREAS pursuant to paragraph 10(2) 7 of the *Municipal Act, 2001* S.O. 2001, c. 25, as amended, a single-tier municipality may pass by-laws respecting any service or thing that it considers necessary or desirable for the public,

AND WHEREAS pursuant to paragraph 10(2) 5 of the *Municipal Act, 2001* S.O. 2001, c. 25, as amended, a single-tier municipality may pass by-laws respecting economic, social, and environmental well-being of the municipality;

AND WHEREAS pursuant to paragraph 10(2) 6 of the *Municipal Act, 2001* S.O. 2001, c. 25, as amended, a single-tier municipality may pass by-laws respecting health, safety and well-being of persons;

AND WHEREAS The Corporation of the Town of St. Marys has constructed and now operates and maintains a water works distribution system;

AND WHEREAS the Council of The Corporation of the Town of St. Marys deems it expedient to make certain rules and regulations for the operation of the water works distribution system;

AND WHEREAS the Council of The Corporation of the Town of St. Marys deems it expedient to regulate the discharges and connections to the Town's wastewater collection, wastewater treatment, and storm water systems;

AND WHEREAS Part III of the *Municipal Act, 2001* S.O. 2001, c. 25, as amended, gives specific powers to the Town in relation to public utilities, including but not limited to the power to enter onto land to which it supplies the public utility and the power to shut off the public utility;

AND WHEREAS pursuant to section 20(1) of the *Safe Drinking Water Act*, S.O. 2002, c. 32, as amended, it is an offense 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;

AND WHEREAS Section 391(1) of the *Municipal Act, 2001* S.O. 2001, c. 25, as amended, provides that the municipality may pass by-laws imposing fees or charges on persons for services or activities provided or done by or on behalf of it, for costs payable by it for services or activities provided or done by or on behalf of any other municipality or any local board, and for the use of its property;

AND WHEREAS s. 11(1) of the *Safe Drinking Water Act*, S.O. 2002, c. 32, as amended, requires every owner of a municipal drinking water system, amongst other things, to ensure that all water provided by the system to the point where the system is connected to a user's plumbing system meets the requirements of the prescribed drinking-water quality standards;

AND WHEREAS Part 7 of the Ontario Building Code. Reg. 332.12 requires potable water systems to be protected from contamination;

NOW THEREFORE BE IT ENACTED by The Council of the Corporation of the Town of St. Marys as follows:

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Part 1

General Administration



Water Systems By-Law
(Water, Wastewater & Storm water)

Section 1 Definitions

1.1 Definitions

In this By-Law:

“Accessible” means the means, opportunity, and openness to approach for the purposes of inspection, maintenance, removal and installation.

“Accurate” means conforming exactly or almost exactly to fact or to a standard, or performing with total accuracy determined by plus or minus 3 percent. The term “Inaccurate” has the reflective opposing meaning.

“Accredited Laboratory” means any laboratory accredited by an authorized accreditation body in accordance with a standard based on “CAN-P-1585: Requirements for the Accreditation of Environmental Testing Laboratories” established by the Standards Council of Canada, as amended, or “ISO/IEC/EN 17025: General Requirements for Competence of Calibration and Testing Laboratories” established by the International Organization for Standardization, as amended.

“Acute Hazardous Waste Chemicals” means a material which is an acute hazardous waste chemical as defined by O. Reg. 347 made under the *Environmental Protection Act*, R.S.O 1990, c. E. 19.

“Authorized Functions List” means the list of functions and the persons authorized to carry out such functions as set out in Schedule “B” of this By-law.

“AWWA” means the American Water Works Association.

“Backflow” means the flowing back or the reversal of the normal direction of flow.

“Backflow Preventer” or “Backflow Prevention Device” means a device or method that prevents Backflow in a water distribution system and includes a reduced pressure principle assembly, dual check valve, double check valve and the like.

“Base Rate Charge-Wastewater” means the Bi-Monthly infrastructure connection charge for Wastewater as set out in Schedule “A”.

“Base Rate Charge-Water” means the Bi-Monthly infrastructure connection charge for Water as set out in Schedule “A”.

“Bi-Monthly” means every two months.

“Biochemical Oxygen Demand (BOD)” means the five-day BOD which is the determination of the molecular oxygen utilized during a five-day incubation period for the biochemical degradation of organic material (carbonaceous demand), and the oxygen used to oxidize inorganic material such as sulphides and ferrous iron, and the amount of oxygen used to oxidize reduced forms of nitrogen (nitrogenous demand) as determined by the appropriate procedure in Standard Methods.

“Biomedical Waste” means biomedical waste as defined in the Ontario Ministry of the Environment Guideline C-4 entitled *The Management of Biomedical Waste in Ontario* dated November 2009, as amended from time to time.

“Blowdown Water” means recirculating water that is discharged from a cooling or heating water system for the purpose of controlling the level of water in the system or for the purpose of discharging from the system materials contained in the system, the further build-up of which would or might impair the operation of the system.

“Building” shall have the same meaning as set out in the *Building Code Act, 1992*, S.O. 1992. C. 23, as amended, or any successor thereof.

“Bulk Water” means Water that is conveyed and dispensed from a transport vehicle approved by the Manager of Water and Wastewater Services.

“Certified Tester” or “Tester” means a person who is certified as a tester of Backflow Preventers.

“Chemical Oxygen Demand (COD)” means a measure of the capacity of water to consume oxygen as a result of oxidation of inorganic chemicals and decomposition of organic matter.

“Chief Building Official” means the chief building official appointed by the Town or his or her designate.

“Clear Water Waste” means Cooling Water and other water that has not come into contact with Wastewater contaminant sources.

“Combustible Liquid” means a liquid that has a flash point not less than 37.8 degrees Celsius and not greater than 93.3 degrees Celsius.

“Compliance Program” means the necessary steps undertaken by a discharger to bring wastewater discharged into the municipal sewer into compliance with the terms and conditions of this Bylaw or related permit.

“Composite Sample” means a volume of Wastewater, Water, storm water, Uncontaminated Water, clear water or effluent made up of three or more Grab Samples that have been combined automatically or manually and taken at intervals during the sampling periods.

“Connection” or “Drain” means that part or those parts of any pipe or system of pipes leading directly to a Wastewater Works.

“Cooling Water” means water that is used in a process for the purpose of removing heat and that has not, by design, come into contact with any raw material, intermediate product, waste product or finished product, but does not include Blowdown Water.

“Council” means council for the Town.

“Cross Connection” means any actual or potential connection between a Potable Water supply or system and any source of pollution or contamination and includes any jumper connection, removable section of pipe, swivel or changeover device and any other temporary or permanent connecting arrangement through which Backflow may occur.

“Cross Connection Survey” means the form attached as Schedule “C” of this by-law.

“CSA Standard” means the document entitled CAN/CSA-B64.10-01 CAN/CSA B64.10.1-01 & Amendments – Manual for the Selection and Installation of Backflow Prevention Devices / Manual for the Maintenance and Field Testing of Backflow Prevention Devices published 2001 by the Canadian Standards Association, or such later edition referenced by the Ontario Building Code;

“Customer” means any person who receives Utility Services from the Town.

“Dental Amalgam” means a dental filling material consisting of an amalgam of mercury, silver and other materials such as copper, tin or zinc.

“Dental Amalgam Separator” means any technology, or combination of technologies, designed to separate Dental Amalgam particles from dental operation Wastewater.

“Drinking Water” means:

- a) water intended for human consumption; or,
- b) water that is required by an Act, regulation, order, municipal by-law or other document issued by the authority of an Act;
 - I. to be potable; or,
 - II. to meet or exceed the requirements of the prescribed drinking-water quality standards;

“Drinking Water System” means a system of works, excluding plumbing that is established for the purpose of providing Users of the system with Drinking Water and that includes:

- a) any thing used for the collection, production, treatment, storage, supply or distribution of Water,
- b) any thing related to the management of residue from the treatment process or the management of the discharge of a substance into the natural environment from the treatment system; and,
- c) a well or intake that serves as the source or entry point of raw water supply for the system.

“Dwelling” means a dwelling as defined in the Town of St. Marys Zoning By-Law Z1-1997 as amended.

“Emergency” means a sudden, unexpected occurrence, involving a clear and imminent danger, demanding immediate action to prevent or mitigate the loss of, or damage to, life, health, property, or essential public services.

“External Use of Water” or “External Water Use” means the use of Water for any purpose outside the walls of any Building.

“Flow Monitoring Device” means an instrument or device for monitoring, measuring, or recording the rate of flow, pressure, or discharge of a liquid, as approved by the Town.

“Flow Monitoring Point” means an access place to the sewer service for the purpose of:

- a) Measuring the rate or volume of Wastewater, storm water, Clear Water Waste or Subsurface Water released from the Premises; and
- b) Collecting representative samples of the Wastewater, storm water, Clear Water Waste or Subsurface Water released from the Premises.

“Fire Service Main” means a pipe and its appurtenances that are connected to a source of water and that are located on a property:

- a) between the source of water and the base of the riser of water-based fire protection system;
- b) between the source of water and inlets to foam making systems;
- c) between the source of water and the base elbow of private hydrants or monitor nozzles;
- d) as fire pump suction and discharge piping not within a Building; or,
- e) beginning at the inlet side of the check valve on a gravity or pressure tank.

“Fuels” means alcohol, gasoline, naphtha, diesel fuel, fuel oil or any other ignitable substance intended for use as a fuel.

“Good repair” means

- a) in good working order;
- b) not in poor condition by reason of deterioration, neglect, damage or defacement;
- c) able to perform its intended function; and
- d) protected from freezing.

“Grab Sample” means a volume of Wastewater, storm water, Uncontaminated Water or effluent which is collected over a period not exceeding 15 minutes.

“Groundwater” means water beneath the earth’s surface accumulating as a result of seepage.

“Hauled Wastewater” means waste removed from a Wastewater system, including a cesspool, a septic tank system, a privy vault or privy pit, a chemical toilet, a portable toilet or a Wastewater holding tank.

“Hazardous Substances” means:

- a) Any substance or mixture of substances, other than a Pesticide, that exhibits characteristics of flammability, corrosivity, reactivity or toxicity; and
- b) Any substance that is designated as a hazardous industrial waste, hazardous waste, or hazardous waste chemical within the meaning of O. Reg. 347 of the *Environmental Protection Act*, R.S.O. 1990, c. E.19, as amended from time to time.

“Ignitable Waste” means a substance that:

- a) Is a liquid, other than an aqueous solution containing less than 24 percent alcohol by volume and has a flash point less than 93 degrees Celsius, as determined by the Tag Closed Cup Tester (ASTM D-56-97a), the Setaflash Closed Cup Tester (ASTM D-3828-97 or ASTM D-3278-96e1), the Pensky-Martens Closed Cup Tester (ASTM D-93-97), or as determined by an equivalent test method;
- b) Is a solid and is capable, under standard temperature and pressure, of causing fire through friction, absorption of moisture or spontaneous chemical changes and, when ignited, burns so vigorously and persistently that it creates a danger;
- c) Is an ignitable compressed gas as defined in the regulations under the *Transportation of Dangerous Goods Act, 1992*, S.C. 1992, as amended; or as amended; or
- d) Is an oxidizing substance as defined in the regulations under the *Transportation of Dangerous Goods Act, 1992*, S.C. 1992, as amended.

“Industry” means any owner or operator of industrial Premises from which there is a discharge of any matter directly or indirectly into the Town’s Sanitary Sewer, combined sewer, or Storm Sewer.

“Institution” means a facility, usually owned by a government, operated for public purposes, such as schools, universities, medical facilities (hospitals, nursing stations, nursing homes), museums, prisons, government offices, military bases. Some of these facilities produce non-residential discharges to sewers from, for example, laboratories, chemical use, and industrial processes, and “Institutional” has a corresponding meaning.

“Limited Water Audit” in relation to a Wastewater Reduction Agreement, means the analysis of water use processes and the calculation of Wastewater discharge to the Town’s Wastewater collection system, in accordance with minimum requirements established by the Manager of Water and Wastewater Services.

“Manager of Water and Wastewater Services” means the Town’s manager having managerial oversight of water, wastewater and storm water services within the Town, as may be appointed by Council for the Town or assigned by the Town’s Chief Administrative Officer, and includes the Manager of Water and Wastewater Services’ duly authorized representatives and as the context requires, all persons authorized to act under the Manager of Water and Wastewater Services’ direction..

“Minor Hazard” means any Cross Connection or potential Cross Connection that constitutes only a nuisance, with no possibility of any health risk, and which is identified as a minor hazard connection by the CSA Standards.

“Moderate Hazard” means any Minor Hazard that has a low probability of becoming a severe hazard, and which is defined as a moderate hazard connection by the CSA Standards.

“Monitoring Access Point” means an access point, such as a chamber, in a private sewer connection to allow for observation, sampling and flow measurement of the Wastewater, Uncontaminated Water or storm water therein.

“Municipal Booster Station” means the Town’s booster station located at 317 James Street South, St. Marys, Ontario.

“Municipal Sewer Connection” means the part of any Drain leading from the private sewer connection and connected to the municipal sewer and located within the limits of the public Road Allowance, or other public lands or public land interests held for sewerage purposes.

“Non-Emergency” means any small scale, routine maintenance or repairs.

“Occupant” includes an Owner of a Premises where that Owner resides or carries on business within the Premises, and includes any person or corporation residing or carrying on a business within the Premises either as a lessee or licensee.

"Oil and Grease" means *n*-Hexane extractable matter as described in Standard Methods.

"Ontario Building Code" means O. Reg. 332/12 of the *Building Code Act, 1992*, S.O. 1992, c.23, as amended or any successor thereof.

"Operating Authority" means the active operating authority for the St. Marys Drinking Water System.

"Owner" means any person, partnership or corporation that is the registered owner of the Premises or any agent thereof, a person entitled to a limited estate in land, a trustee in whom land is vested, a committee of the estate of a mentally incompetent person, an executor, and administrator or a guardian.

"Pathological Waste" means pathological waste as defined by O. Reg. 347 of the *Environmental Protection Act*, R.S.O. 1990, c. E.19, as amended from time to time.

"Polychlorinated Biphenyl (PCB)" means any monochlorinated or polychlorinated biphenyl or any mixture of them or mixture that contains one or more of them.

"Pesticide" means a pesticide regulated under *Pesticides Act*, R.S.O. 1990, c. P.11.

"Premises" means land or property with or without Buildings.

"Premises Isolation" means isolation of the water located within the Building or structure from the Town's water supply.

"Pre-treatment" means the reduction, elimination or alteration of pollutants in Wastewater prior to discharge into the Sanitary Sewer. This reduction or alteration can be obtained by physical, chemical, or biological processes, through pollution prevention, or by other means, except by diluting the concentration of the pollutants.

"Radioactive Waste" means substances defined in the federal *Nuclear Safety and Control Act*, S.C. 1997, c. 9, and the regulations passed there under, as amended from time to time.

"Reactive Waste" means a substance that:

- a) Is normally unstable and readily undergoes violent changes without detonating;
- b) Reacts violently with water;
- c) Forms potentially explosive mixtures with water;
- d) When mixed with water, generates toxic gases, vapours or fumes in a quantity sufficient to present danger to human health or the environment;
- e) Is a cyanide or sulphide bearing waste which, when exposed to pH conditions between 2 and 12.5, can generate toxic gases, vapours or fumes in a quantity sufficient to present danger to human health or the environment;
- f) Is capable of detonation or explosive reaction if it is subjected to a strong initiating source or if heated under confinement;
- g) Is readily capable of detonation or explosive decomposition or reaction at standard temperature and pressure; or
- h) Is an explosive (Class 1) as defined in the regulations under the *Transportation of Dangerous Goods Act, 1992*, S.C. 1992, as amended.

"Road Allowance" means land dedicated to the Town or the Province of Ontario for a public highway.

"Sampling Port" means a valve, tap, or similar device on equipment, a drain pipe or at another suitable location, to allow for sampling, consistent with technical guidelines that the Town may establish from time to time.

"Sanitary Sewer" means a sewer for the collection and transmission of domestic or industrial wastewater or any combination thereof, and includes the Town's Sanitary Sewer.

"Severe Hazard" means any Cross Connection or potential Cross Connection involving any substance that could be a danger to health and which is identified as a severe hazard connection by the CSA Standards.

“Spill” means a direct or indirect discharge into the Wastewater Works, Storm Sewer or the natural environment which is abnormal in quantity or quality in light of all the circumstances of the discharge.

“Standard Methods” means a procedure or method set out in *Standard Methods for the Examination of Water and Wastewater* published jointly by the American Public Health Association, American Water Works Association and the Water Environment Federation, recent or latest edition or approved in writing by the Manager of Water and Wastewater Services.

“Storm Sewer” means a sewer for the collection and transmission of Uncontaminated Water, storm water, drainage from land or from a Watercourse or any combination thereof but excluding any portion of a combined sewer works.

“Subsurface Water” means Groundwater, including foundation drain water.

“Testable” means the ability to conduct tests to determine if a device is functioning properly.

“Total Suspended Solids TSS” means insoluble matter in liquid that is removable by filtration, as determined by the appropriate procedure described in Standard Methods.

“Total Polycyclic Aromatic Hydrocarbons” or “PAH” means the total of all of the following PAHs:

- Acenaphthene
- anthracene
- enzo(b)fluoranthene
- Chrysenes
- Fluoranthene
- indeno(1,2,3-cd)pyrene
- naphthalene
- pyrene
- acenaphthylene
- benzo(a)anthracene
- benzo(g,h,i)perylene,benzo(k)fluoranthene
- dibenzo(a,h)anthracene
- Fluorine
- Methylnaphthalene
- Phenanthrene
- enzo(a)pyrene

“Town” or “St. Marys” means The Corporation of the Town of St. Marys, and includes its employees, servants, and agents

“Uncontaminated Water” means water with a level of quality which is typical of Potable Water normally supplied by the Town.

“Usage Charge-Wastewater” means the Bi-Monthly charge for Wastewater discharge as based on Water use measured by the Water Meter and as set out in Schedule “A”.

“Usage Charge-Water” means the Bi-Monthly charge for Water use as measured by the Water Meter and as set out in Schedule “A”.

“User” includes the applicant for Utility Services and includes an Owner, Occupant or lessee, or any other person or company to whom water is supplied by the Town and to whom accounts are sent for water supplied to the Premises.

“Utility Service” includes Water services, Wastewater services, storm water services, and related utility services.

“Wastewater” means the composite of water and water-carried wastes from residential, commercial, industrial or Institutional Premises or any other source, and includes sewage.

“Wastewater Works” means any works for the collection, transmission, treatment and disposal of wastewater, storm water or Uncontaminated Water, including a combined sewer, Sanitary Sewer or Storm Sewer, or any part of such works, but does not include plumbing or other works to which the applicable Building Code applies.

“Water” or “Potable Water” means water that is safe for human consumption.

“Water System” includes a Water service pipe, a private Water supply, a Water distribution system, a fire hydrant, Fire Service Main or parts of any of them.

“Water Meter” or “Flow Measuring Device” means a meter installed within a Premise to record the amount of Water supplied to such Premises by the Town.

“Watercourse” means an open channel, ditch or depression, either natural or artificial, in which flow of water occurs either continuously or intermittently.

Section 2 Applications for Utility Service

2.1 Application(s) and Payment(s)

2.1.1 Application(s)

Before Utility Service is supplied to any Premises, the Owner or Occupant shall make application to the Town for the supply of such Utility Service. Such application shall be to the satisfaction of the Manager of Water and Wastewater Services, and shall include, without limitation, the desired location and size of service pipe and meter required, fixtures to be supplied or quantity of Water, Wastewater and storm water service required, the use or class of occupancy of the Premises, and any other information which would aid the Town in providing an adequate Utility Service.

2.1.2 Payment Requirements

The Owner or Occupant shall pay to the Town the charge for the Utility Service connection and related works, including but not limited to all professional and construction fees, and as set out in section 8.1.6 of Schedule “A” of this By-law, and the Town shall, at the expense of the Owner, furnish or arrange to be furnished the labour and materials necessary for the installation of the Utility service connection and related works.

2.2 Payment for Service(s)

The installation of a Utility Service connection will not be arranged, scheduled or commenced until the application and payment referenced in Section 2.1 has been completed and received by and to the satisfaction of the Manager of Water and Wastewater Services.

2.3 Payment Options

The Owner or Occupant may pay the charges required by sections 2.1 and 2.2 either as a lump total sum or in ten equal annual instalments including interest in accordance with the 10-year financing rate for local improvements.

2.4 Site Access

The Owner or Occupant shall make arrangements with the Town to allow the Town, or their designate access to the Premises in furtherance of any work related to the installation of a Utility Service connection and related works.

2.5 Limitations

The Town shall not be liable for an inadequate Utility Service connection or the improper installation of the Utility Service connection resulting from mistaken, false, incorrect, or a lack of information supplied by the Owner or Occupant within the original application.

2.6 Agreement

By accepting the supply of Utility Service from the Town, the Owner or Occupant agrees to abide by the rules, regulations, standards and rate schedules of the Town as they now exist or as they hereinafter may be amended, and the Owner or Occupant shall abide by the rules, regulations, standards and rate schedules of the Town as they now exist or as they hereinafter may be amended.

Section 3 Operations, Responsibilities and Improvements

3.1 Utility Service Supply

3.1.1 Water Service Supply

The Town uses reasonable diligence in providing a standard and uninterrupted supply, pressure and quality of Water, however does not guarantee a constant service, pressure, quality or supply of Water and the Town is not liable for damages to the Owner, Occupant, or Customer caused by the breaking of any Water service pipes or attachments, or for the shutting off of Water to perform maintenance work to the system resulting in lost time, or damage to Owners, Occupants, or Customers of Premises.

The Town does not guarantee:

- a. Any pre-determined Water pressure or flow from the Water System or any temporary Water service;
- b. Any level of service of Water pressure or flow that may be used for private fire suppression systems or any other systems; and / or,
- c. That Water supplied be free of colour or turbidity.

3.1.2 Wastewater and Storm water Service Supply

The Town uses reasonable diligence in providing a standard and uninterrupted collection of Wastewater and storm water, however does not guarantee a constant service and the Town is not liable for damages to the Owner, Occupant or Customer caused by the interruption of service, or by the temporary blockage of Wastewater, or by the performance of maintenance work to the system resulting in lost time, or damage to Owners, Occupants, or Customers of Premises.

3.2 Frozen Utility Service Pipes

3.2.1 Frozen Water Service Pipes

Owners of a Premise shall ensure that all private Water service pipes, the private Water System and private Fire Service Mains on said property or Premises are protected from freezing.

3.2.2 Frozen Wastewater Service Pipes

Owners of a Premise shall ensure that all private Wastewater collection pipes on said property or Premises are protected from freezing.

3.3 Frozen Service – Responsibilities

3.3.1 Frozen Water Service – Responsibilities

An Owner of Premises shall be responsible for any damage to any private Water service pipe, private Water System, private Fire Service Main on that Owner's property caused by freezing. Any water loss or water discharged as a result of a leak in a frozen water service pipe, private Water System or private Fire Service Main shall be the responsibility of said Owner and payable to the Town. Thawing out frozen private water service pipes shall be the Owners responsibility, in addition to any fees and costs resulting from maintenance or repairs incurred due to damage from freezing.

3.3.2 Frozen Wastewater Service – Responsibilities

An Owner of Premises shall be responsible for any damage incurred as a result of any private Wastewater service pipe or private Wastewater system on that Owner's property caused by freezing. Any Wastewater discharged as a result of a leak in a frozen Wastewater service pipe or private system shall be the responsibility of the Owner and payable to the Town. Thawing out frozen private Wastewater service pipe shall be the Owners responsibility, in addition to any fees resulting from maintenance or repairs incurred due to damage from freezing.

3.4 Water Service Leaks - Responsibilities

All Water supply pipes and appurtenances from a Building to the Town's corporation stop shall be the sole responsibility of the Owner or Customer. The Town will not be responsible or liable for any disruption in service, or damage incurred as a result of interferences within the Water supply pipes or appurtenances.

3.5 Sanitary Services (Gravity) - Responsibilities

All Sanitary Sewer pipes and appurtenances from a Building to the property line of the Premises shall be the sole responsibility of the Owner or Customer. The Town will not be responsible or liable for any disruption in service, or damage incurred as a result of interferences within these Sanitary Sewer pipes and appurtenances. The Town requires CCTV camera inspections to be completed to determine who may be responsible for the repairing and the cost of repairs of the Sanitary Sewer system. In addition to the being responsible for the cost of repairs of the Sanitary Sewer system, in the event of a Sanitary Sewer blockage, the Owner or Customer shall pay the applicable charges as set out in section 8.3.1 of Schedule "A" to this by-law in respect of an emergency after hours call to the Operating Authority, and the applicable charges as set out in section 8.3.2 of Schedule "A" to this by-law in respect of CCTV camera inspections of the Sanitary Sewer.

3.6 Sanitary Services (Private Force Mains) - Responsibilities

All private force mains servicing one Premise shall be the sole responsibility of the Owner or Customer of the Premises. The Town will not be responsible or liable for any disruption in service, or damage incurred as a result of the operation of these force mains. The care and maintenance of these private force mains shall be the Owner's or Customer's responsibility, in addition to any fees resulting from maintenance or repairs incurred up to the discharge location to the Town's gravity Wastewater collection system.

3.7 System Upgrades, Additions and Improvements

All upgrades, construction improvements and system additions to the Town's Water System or the Town's Wastewater Works shall be approved in writing by the Town and all work shall conform to the Town's construction standards for the Water System and the Wastewater collection system.

Section 4 Charges and Payments

4.1 Water Charges

Every Customer or Owner of a Premises in the Town that receives Water shall pay Water charges consisting of a fixed Base Rate Charge-Water and a Usage Charge-Water as defined in this by-law, and as set out in section 1.0 of Schedule "A" of this by-law, as amended from time to time.

4.2 Wastewater Charges

Every Customer or Owner of a Premises in the Town that receives Wastewater services shall pay Wastewater services charges based on Water use, and consisting of a fixed Base Rate Charge-Wastewater and a Usage Charge-Wastewater as defined in this by-law, and as set out in section 2.0 of Schedule "A" of this by-law, as amended from time to time.

4.2.1 Wastewater Charges – Wastewater Connection Only

Notwithstanding section 4.2 of this by-law, residential Premises with Wastewater connections only shall be billed at the rate as set out in section 6.0 of Schedule "A" of this by-law.

4.3 Storm water Charge

Every Customer or Owner of a Premises in the Town that produces storm water shall pay the storm water charges consisting of a fixed charge as defined in this by-law and as set out in section 3.0 of Schedule "A" of this by-law, as amended from time to time.

4.3.1 Late Payment Charge

When an account is not paid by the due date stated on the bill, a late payment charge, as indicated in section 5.0 of Schedule "A" of this by-law, will be assessed to the account.

4.4 Meter Reading and Billing Period

Water Meters are read Bi-Monthly, however may be read at different period intervals at the sole discretion of the Town. The bill shall be deemed to be served upon the Customer or Owner if it is delivered or sent by mail to the Premises or property address supplied by the Customer or Owner.

4.5 Priority Lien of Fees and Charges

Any and all fees and charges under this by-law shall be a priority lien and charge upon the land of the Owner.

4.6 Non-Payment and Outstanding Balance on Account

Any and all fees and charges under this by-law remaining due and owing shall be deemed to be in arrears and may be collected in accordance with the *Municipal Act, 2001* and may be added to the tax roll against the Premises in respect of which the Utility Service was supplied, and collected in like manner as taxes.

4.7 Rate Change - Change during Billing Period

Should Water, Wastewater or storm water rates and charges, or any combination thereof change during a billing period, the fixed Base Rate Charge-Water, Base Rate Charge-Wastewater, Usage Charge-Water, Usage Charge-Wastewater, and storm water charge shall be prorated for the billing period.

4.8 Disconnection on Failure to Pay

- (a) If the Customer or Owner of a Premise omits, neglects or refuses to pay any bill when rendered in respect of Utility Services supplied to such Premises, the Town may, at its discretion and in addition to any other provision of this by-law, shut off or restrict the supply of the Utility Services to the Premises.
- (b) Without limiting 4.8(a), if the Customer or Owner of a Premise omits, neglects or refuses to pay any Wastewater services charge, and the Wastewater services charge is based on the supply of Water to the Premises, the Town may shut off or restrict the supply of Water to the Premises.
- (c) Should the Utility Service account remain unpaid for a duration of 90 days after the due date stated on the bill, the Manager of Water and Wastewater Services may deliver to the Premises a notice of disconnection advising that service to that location will be disconnected should payment not be received within 48 hours. Such a notice of disconnection may be provided to the Owners and Occupants of the Premises by personal service or prepaid mail or by posting the notice on the land in a conspicuous place.

4.9 Change of Occupancy Charge

At the time of a change of occupancy, an administrative charge as detailed in section 8.1.2 of Schedule "A" of this By-Law shall be paid by the new Owner or Customer to the Town to cover the cost of administrative work. The Change of Occupancy charge will be included on the first bill to the new Owner or Customer.

4.10 Construction Water Charge

No connection to Water services shall be permitted until such a time as a Water Meter, issued by the Town has been installed by a licensed plumber. During the construction process of any Premises, the Owner shall pay the cost of Water, as detailed in section 1.0 and 2.0 of Schedule "A" herein, and as amended.

4.11 Estimated Billing

If, for any cause, any Water Meter or remote read out shall be found to not be working properly, then the amount of Water and Wastewater to be charged for shall be estimated, based on information available when the Water Meter or touch pad was functioning correctly. Specifically, the amount estimated will be based on the amount used during the same billing cycle from the prior year, or years. If unavailable or proven Inaccurate, the amount of Water and Wastewater to be charged shall be estimated on a daily average when the Water Meter was functioning properly, and the charge for the Water and Wastewater for the period during which the Water Meter was not working properly

shall be based thereon. If the Water Meter is later found to be functioning correctly following a period of estimated billing (due to remote read out errors, or damage), the Owner or Customer shall be responsible for the entire charge of Water and Wastewater used while the bill was estimated, based on the reading on the Water Meter dial, or credited if less.

4.12 Water Meter Testing – Charges

If the Owner or Customer requests their Water Meter to be tested under Section 5.13 of this By-Law, the Owner or Customer shall submit an application, in writing to the Manager of Water and Wastewater Services and shall be accompanied by a deposit of the fee for testing the Water Meter or Flow Measuring Device as set out in section 8.5.4 of Schedule "A" of this By-Law. If the Water Meter is found to be in the Town's favour by greater than three percent (3%), a refund will be made to the Owner or Customer equal to such excess percentage of the amount of the account attributed to usage for the period of three (3) months prior to such testing, plus the deposit for the test. Should the Water Meter be found to be registering correctly, slow, or not exceed the 3% in favour of the Town, the Owner's or Customer's deposit will be forfeited towards the cost of the test, and the Owner or Customer shall pay the charges as per sections 8.5.4 and 8.5.5 of Schedule "A" plus the Owner or Customer shall be responsible for any and all expenses incurred for removal, testing and re-installation of the Water Meter.

4.13 Bulk Water – Charges

Bulk Water, obtained from the Town of St. Marys Municipal Operations Center shall be billed and invoiced according to section 8.1.1 of Schedule "A" of this By-Law. All Bulk Water purchases must be pre-scheduled with the Operations Department 24-hours prior to anticipated pick-up.

4.14 Utility Service Charges—Who Pays

The charges for providing and maintaining supply of Utility Service to any Premises are applicable for every Water Meter owned and read by the Town. In instances where the Customer terminates their account with the Town, subsequent Utility Service charges may be rendered to the Owner of the Premises until such time as a new Customer applies to the Town for the supply of Water.

4.15 Fees and Charges - General

Rates, charges and/or expenses required pursuant to this by-law that are not directly and/or specifically referenced in Schedule "A" shall be charged on a time and material basis and shall be paid by the Owner, Occupant, or Customer as required by the Town.

Section 5

Water Meters, Flow Measuring Devices and Remote Read-Outs

5.1 Water Meter and Flow Measuring Device Ownership

Every Water Meter or Flow Measuring Device shall remain the sole property of the Town.

5.2 Water to be metered

All Water supplied to a Premises within the Town, with the exception of water use for firefighting or construction, shall pass through a Water Meter or Flow Measuring Device supplied and owned by the Town, for use upon such Premises, and in addition to whatever other remedies the Town may have in law in respect to infringement of this by-law, the Manager of Water and Wastewater Services may, upon ascertaining that Water has been used which has not passed through the Water Meter of such Premises, forthwith, without notice, shut off and stop the supply of Water.

5.2.1 Water Meter Charge

The Owner shall pay to the Town the charge for such Water Meter or Flow Measuring Device, as detailed in sections 8.5.1, 8.5.2 or 8.5.3, as applicable of Schedule "A" herein.

5.3 Water Meter Installation / Maintenance

Water supplied to each individual Dwelling unit shall pass through a Water Meter or Flow Measuring Device, including remote read-out and components in such a way that all Water used by said

Dwelling unit can be recorded and billed. All new multi-family Buildings shall be billed by the Owner or landlord or by a third party based on sub-unit meters which will be installed at the time of construction and inspected by an agent of the Town prior to occupancy being granted. The Town shall have free access, at all reasonable times, and upon sufficient notice, to all parts of every Premises to which Water is supplied, for the purpose of inspecting, installing, repairing, replacing or altering the Water Meter or remote read out unit.

5.4 Water Meter Protection

The Owner or Occupant of a Premises in which a Water Meter has been installed shall take all reasonable precautions to protect such Water Meter and its connections from damage by frost or otherwise, and shall at all times allow Accessible access to such Water Meter and connections by the Town to read the Water Meter and perform their duties.

5.5 Water Meter Damage or Loss

Where any Water Meter or its connections has been damaged, lost or interfered with, the Owner or Occupant shall be liable for the cost of replacement as detailed in section 8.5.1 of Schedule "A" herein. The cost of so doing shall be immediately due and payable to the Town. Any Water usage shall be billed as per Section 4.11 of this by-law.

5.6 Water Meter Locations

The Water Meter must be located in a safe and convenient space, free of charge or rent, in the basement or in a heated room suitable for this purpose or in a Water Meter chamber constructed per current standards. The Water Meter shall not be boxed in such a manner as to prohibit it being read, examined or removed and shall be placed as close as possible to the entrance of the service pipe into the Building per current standards for Water Meter installation.

5.7 Water Meter Inspections

Every Water Meter installed on a Premise shall be inspected and sealed by the Town at or about the time of installation. For new construction, the Water Meter shall be inspected prior to final occupancy being granted. If the Water Meter, or touch pad is found to be improperly installed or connected, than the Owner or Occupant shall pay the charges as set out in Section 8.5.8 of Schedule "A" of this by-law.

5.8 Water Meter Relocations

No person shall change, or permit to be changed, the location of a Water Meter at a Premises once the Water Meter is installed to the satisfaction of Manager of Water and Wastewater Services, or their designate, without prior written consent of the Manager of Water and Wastewater Services or their designate.

5.9 Water Meter Leaks

An Owner of a Premise shall immediately, and no later than within 72 hours after installation, notify the Manager of Water and Wastewater Services if any leaks developed at the Water Meter or its couplings. The Town shall not be held liable for any leaks or damage incurred as a result of a meter leaking outside of this 72 hour reporting period.

5.10 Private Meters

The Town will not supply, install, inspect or read private meters, nor will the Town bill consumption based on private meter readings issued by an Owner or Landlord to recover charges from tenants of said Premises.

5.11 Reading Water Meter – Site Access

The Town shall be allowed free and clear access to every Premise for the purpose of reading a Water Meter, at the discretion of the Town. Where such access is not provided by the Customer within 14-days of written notification from the Town, the Town may shut-off or restrict the supply of Water to the Premises until such a time as proper access to the Water Meter can be provided. Free and clear assess for Water Meter readings will be determined at the discretion of the Town.

5.12 Non-Functioning Water Meter or Remote Read-Out

If, for any cause, any Water Meter or remote read-out unit shall be found to not be working properly, then the amount of Water to be charged for shall be estimated, based on information available when the Water Meter or touch pad was functioning correctly. Specifically, the amount estimated will be

based on the amount used during the same billing cycle from the prior year, or years. If unavailable or proven inaccurate, the amount of Water to be charged shall be estimated on a daily average when the Water Meter was functioning properly, and the charge for the Water for the period during which the Water Meter was not working properly shall be based thereon.

5.13 Water Meter Testing for Customer

Any Owner or Customer may upon written application to the Manager of Water and Wastewater Services, have their Water Meter and remote read-out unit tested for accuracy of the Water Meter. Water Meters shall be tested in accordance with Town Protocol.

5.14 Water Meter Calibrations and Verification

All Water Meters or Flow Measuring Devices installed in a Premises other than residential, with a service connection greater than one (1) inch in diameter are to be calibrated annually (once every 12 months) by any company or personnel accredited or authorized to do so. A copy of the calibration report shall be provided to the Town within 21 days after such calibration. Should the Owner or Customer of such a Premises fail to comply with Section 5.14, the Town reserves the right to have the Water Meter or Flow Measuring Device calibrated and inspected annually, at the Owner or Customers expense. The Owner or Customer shall pay the charges as set out in section 8.5.6 of Schedule "A" herein. All costs incurred by the Town for said work shall be the sole responsibility of the Owner or Customer of the Premises. If Water Meters are unable to be field calibrated and tested, then the Water Meter is to be replaced with a Water Meter which can be tested and field calibrated, at the expense of the Owner or Customer.

5.15 Water Meter Remote Read-Out Protection

Where a self-generating Water Meter with a remote read-out is installed in any Premises, the Owner of the Premises shall take all reasonable precautions to protect the remote read-out and the wire connecting it to the Water meter within the Premises from any damage. Any damage incurred to the Water Meter or wiring will be billed to the Owner and the Owner shall pay the charges as set out in sections 8.5.1 or 8.5.7 of Schedule "A" of this by-law.

5.16 Water Meter Remote Read-Out Damage

Where any such Water Meter with a remote read-out or its connecting wire has been injured or interfered with, the Owner shall be liable for the cost of putting the same in proper order and condition and the cost of so doing shall be immediately due and payable to the Town and the Owner shall pay the charges as set out in section 8.5.7 of Schedule "A" of this by-law.

5.17 Meter Remote Read-Out Error(s)

Where the Water Meter is equipped with a remote read-out unit and a discrepancy occurs between the reading at the register of the Water Meter itself and the reading on the readout device, the Town will consider the reading at the Water Meter to be correct, and will adjust and correct the Owner's or Customer's account accordingly.

5.18 Water Meters or Equipment

Every person who willfully or maliciously damages or causes or knowingly causes to be damaged any Water Meter, Water service pipe, conduit, wire, rod or Water fitting belonging to the Town or willfully impairs or knowingly suffers the same to be altered or impaired, so that the Water Meter indicates less than the actual amount of the Water that passes through it, is guilty of an offence and on conviction is liable to a fine, to the use of the Town, and for any expenses of repairing or replacing the Water Meter, Water service pipe, conduit, wire, rod or fitting and double the value of the surplus Water so consumed, all of which is recoverable under the *Provincial Offences Act*.

Part 2

Water Services



Water Systems By-Law
(Water, Wastewater & Storm water)

Section 6

Request for Water Service, Water Service Disruption or Disconnection (Non-Emergency)

6.1 Initial Request

Every Owner or Occupant requesting that the supply of Water to their Premises be turned on, turned off or disconnected shall give notice, in writing, of such a request to the Town's Municipal Operations Centre at least two (2) business days prior to work being required.

6.2 Rates and Charges – Service Disruption Requests

Prior to the Town carrying out the request to turn on, turn off or disconnect the supply of Water to a Premise, the Owner or Occupant shall pay the applicable charges as set out in section 8.2.1, 8.2.2 or 8.2.3 of Schedule "A" of this By-Law, as applicable.

6.3 Response Efforts

For Non-Emergency requests, the Town, Operating Authority, or their designate will attempt to respond to the request within two (2) business days after initial receipt of the request and payment of the applicable charges.

6.4 Disconnection

Where the Water supply to any Premises has been turned off for any reason pursuant to this by-law, the Water supply shall not be turned on or reconnected until all requirements of this by-law have been met and to the satisfaction of the Manager of Water and Wastewater Services.

Section 7

Fire Services

7.1 Fire Services

Water supply service for automatic fire sprinkler systems or for fire protection of any kind will be classed as a fire service, provided such fire service is required by or conforms to the regulations of the Fire Department and the Building Department for the Town. Connection for Water supply other than fire service shall not be made to a fire protection system. Where a Potable Water supply serves a fire protection system, the fire protection system shall be isolated from the Town's Potable Water supply per the Ontario Building Code and in accordance with the applicable National Fire Protection Association (NFPA) standard so as to prohibit any contamination of the Town's Water supply. No bypass around a Backflow Prevention Device is permitted under any circumstances. All materials and connections are to be supplied and installed at the Owner's expense.

7.2 Fire Services – Municipal Booster Station

Premises that are connected to the Municipal Booster Station for added fire protection shall notify the Town a minimum of five business days prior to any testing being carried out by or for underwriters. The Town agrees to use reasonable diligence in maintaining the Municipal Booster Station, however does not guarantee a constant service, pressure, quality or supply of Water and the Town is not liable for damages caused by the functionality or operation of the Municipal Booster Station.

Section 8

Cross Connection and Backflow Prevention

8.1 Cross Connection and Backflow Prevention

Cross Connection and Backflow prevention measures, including the installation, testing and maintenance of Backflow Prevention Devices shall be carried out in accordance with the provisions of this By-law.

8.1.1 Application

This section of the By-law applies to all Premises within the Town, except Buildings or structures of residential occupancies, where each Dwelling unit is individually serviced from the Town Drinking Water System.

8.1.2 Application – Residential

Notwithstanding subsection 8.1.1 of this By-law, the By-law applies to plumbing in residential occupancies having connections to the Town's Drinking Water System and may be hazardous or detrimental to the Potable Water supply, as determined by the Manager of Water and Wastewater Services, and/or have an auxiliary water supply and/or a lawn sprinkler system.

8.1.3 Application of Standards

Except as otherwise set out in this By-Law, the maintenance and field testing of Backflow Prevention Devices required pursuant to this By-law shall be undertaken in accordance with the CSA Standards.

8.1.4 Application – Good Repair

Every Owner of Premises upon which a Backflow Prevention Device is installed shall ensure that such device is in Good Repair at all times.

8.2 Cross Connection – Prohibition

No person or Owner shall connect, cause to be connected or allow to remain connected to the Water supply, or any other Potable Water system, any piping, fixture, fitting, container, appliance, vehicle, machine or the like in a manner which may under any circumstance allow Water, Wastewater, pollution, or any other liquid, chemical or substance to enter such supply or system except in compliance with the provisions of this regulation and By-Law.

8.2.1 Cross Connection – Survey

Every five (5) years or as otherwise required by the Town, every Owner of a Building or structure to which this regulation and by-law applies, shall cause a Cross Connection Survey to be undertaken and carried out of all plumbing in each Building or structure in accordance with the following:

- a) The Owner shall ensure that each Cross Connection survey conducted is carried out on the prescribed Cross Connection Survey Form (Schedule "C") and is undertaken and completed by a person permitted to do so pursuant to the Authorized Functions List (Schedule "B"); and
- b) The Owner shall ensure that the completed Cross Connection Survey Form is provided to the Manager of Water and Wastewater Services within 15 days of the survey being conducted.

8.2.2 Cross Connection – New Connections

When a new connection to the Town's Drinking Water System is made, the Owner shall complete and submit a Cross Connection Survey prior to the plumbing being put into service.

8.2.3 Cross Connection – Plumbing Modifications

Where a modification to plumbing, equipment or a process has been made after the submission of a Cross Connection Survey as required by this regulation and By-law, the Owner shall complete and re-submit a new survey to the Town prior to the modified plumbing being put into service.

8.3 Installation of Backflow Prevention Devices

Every person installing a Backflow Prevention Device or causing a Backflow Prevention Device to be installed or replaced shall ensure that:

- a) such device is installed in accordance with good engineering practices and the requirements of the Building Code Act and the Ontario Building Code.
- b) a building permit is obtained in accordance with the provisions of the Building Code Act, and,

- c) Every Owner of property in which a Backflow Prevention Device is installed shall ensure the device is in proper working order at all times.

8.3.1 Installation – Labels

Where such a Backflow Prevention Device is installed in respect of Premises Isolation, all piping between where the Water Meter and such device shall be clearly marked and labelled “No Connection Permitted”.

8.4 Device Testing – Cross Connection and Backflow

Every Owner who has a Testable Backflow Prevention Device located on their Premises shall ensure that:

- a) Such device is tested by a Certified Tester when it is first installed and annually thereafter or as requested by the Town, and also when it is cleaned, repaired, overhauled or relocated.
- b) Where the device is first installed and tested, that a test report, be submitted to the Manager of Water and Wastewater Services, to the Manager of Water and Wastewater Services' satisfaction, within 15 days of the test being conducted.
- c) Where the device is tested annually that a test report be submitted to the Manager of Water and Wastewater Services, to the Manager of Water and Wastewater Services' satisfaction, within 15 days of the test being conducted.
- d) When the device is tested as a requirement for maintenance or in time intervals as determined by the Manager of Water and Wastewater Services or as required by the CSA Standard, that a test report, of such test be available on site for review as required by the Chief Building Official;
- e) Every person who tests a Backflow Prevention Device shall carry out such testing in accordance with this By-law and the CSA Standard; and,
- f) Every person who tests a Backflow Prevention Device shall immediately notify the Owner of the Premises and Manager of Water and Wastewater Services upon finding that such device is malfunctioning or otherwise not in proper working order.

8.4.1 Persons Permitted to Carry out Work – Authorized Functions List

Only those persons with the required qualifications listed in the Authorized Functions List, Schedule “B”, shall carry out the corresponding functions set out in such list.

8.4.2 Persons Permitted to Carry out Work – Request for Qualifications

Any person permitted to carry out work, as outlined in Authorized Functions List, Schedule “B”, shall produce upon request of the Chief Building Official, the following qualifications in a form satisfactory to the Town:

- a) A certificate from an accredited organization or association issued in accordance with the requirements set out by the AWWA, designating the person as a “Certified Backflow Prevention Assembly Tester” which has been issued or renewed within five (5) years prior to the date of the submission of the Cross Connection Survey or Test Report; and;
- b) A current calibration certificate for the test equipment issued within the twelve (12) months prior to date of submission of a test report.

8.5 Late Filing – Penalty

Every person that does not submit a Cross Connection Survey or test report within the specified time period as required by this by-law, shall pay the Backflow Testing-Late Filing Fee as set out in section 8.1.3 of Schedule “A” to this by-law.

8.5.1 Late Filing – Failure to Comply

Should a person or Customer fail to comply with submitting a Cross Connection Survey or test report, the Town reserves the right to complete the survey or test, at their discretion. All costs incurred by the Town shall be the sole responsibility of the Owner or Customer and shall be paid in full to the Town.

8.6 Contraventions

Where the Town finds that a condition exists on any Premises that may allow contamination of the Town's Water supply or the contamination of any other Potable Water system on such Premises, including residential Buildings or structures, the Chief Building Official may act to prevent such conditions from existing, including the following acts:

- a) The Chief Building Official may, at their discretion and in addition to or together with any other powers the Chief Building Official may have, issue an order to the Owner to eliminate the condition, and in doing so, prescribe the time period for compliance with such an order;
- b) If the time period for compliance has passed without compliance with such order, the Manager of Water and Wastewater Services may shut off the Water supply to the Premises or any portion thereof until the condition is eliminated.

8.7 Removal of Devices

No person shall remove a Backflow Prevention Device or part thereof after it has been installed and no Owner of a Building or structure in which a Backflow Prevention Device is installed shall cause or permit the removal of such device, unless such removal is:

- a) To facilitate the repair of the device and such device is replaced immediately after such repair is carried out;
- b) To replace the device with another device that meets or exceeds the provisions of the By-Law; and/or,
- c) The Cross Connection threat has been permanently removed from the location where the Backflow Prevention Device was located. Written verification must be obtained from a licensed Cross Connection specialist that the threat has been removed, as well as an up-to-date Cross Connection Survey must be completed. The Backflow Prevention Device cannot be removed without written approval from the Manager of Water and Wastewater Services.

8.8 Backflow Prevention Testing and Inspection Report

On request of the Town, the Owner of a Premises shall ensure that the Backflow Prevention Testing and Inspection Report as set out in Schedule "D" to this by-law has been completed, to the satisfaction of the Town.

Section 9

Water Conservation, Restrictions and Waste of Water

9.1 External Water use

External Water Use regulations shall apply from May 1st - September 30th of each year.

9.1.1 External Water Use - Residential

External Use of Water is prohibited for residential properties with the exception of such use between the hours of 6:00 a.m. until 9:00 a.m. and from 6:00 p.m. until 9:00 p.m. Topping up swimming pools to compensate for normal water loss is also exempt from this by-law.

9.1.2 External Water Use - Industrial, Commercial, Institutional

External Use of Water is prohibited for industrial, commercial and Institutional properties, excluding the Town, with the exception of such use between the hours of 8:00 a.m. until 10:00 a.m. and from 3:00 p.m. until 5:00 p.m.

9.2 External Water Use Permit

The Town, at its discretion, may issue a permit to allow the External Use of Water in addition to the times permitted by sections 9.1.1 and 9.1.2 of this By-law for uses such as automatic sprinkler systems, water for new seed, sod or trees, non-profit fundraising events or permits for special consideration. The applicant for such a permit shall pay the fees for obtaining an External Water Use Permit as set out in section 8.1.5 of Schedule "A" of this By-Law.

9.3 External Water Use Restriction(s)

The Town's Chief Administrative Officer or the Manager of Water and Wastewater Services, in consultation with Council if practicable, may implement, at any time, any regulations which they, in their discretion, consider advisable to limit the External Use of Water and this authority includes the right to ban completely the External Use of Water.

9.4 Notice of Restriction(s)

Notice of the implementation of a Water use restriction by the Town, implemented under Section 9.3, and the effective date thereof shall be given immediately by publication or announcement on the Town website and/or newspapers having general circulation or reception in the Town or by personal delivery to any Water User.

9.5 Customer Response to Notice of Restriction(s)

Upon publication or announcement or by personal delivery of notice of the implementation of a Water use restriction by the Town, no person shall use or permit the External Use of Water except in accordance with the provisions of such regulation.

9.6 Waste of Water

No person, Owner, or Customer shall discharge water in a wasteful manner, nor shall any person, Owner, or Customer damage or allow the deterioration of any appliance, which will result in the waste of water.

9.7 Waste of Water – Surface Flow

No person, Owner, or Customer shall permit Water to run into the street or any other area or place where it is wasted, unless for maintenance purposes.

9.8 Waste of Water – Leaks

Upon the detection of leaky valves, improper pipes or imperfect fixtures, any of which are creating a waste of Water in any Building, the Manager of Water and Wastewater Services, or their designate will immediately notify the Occupant or Owner or Customer of the repairs required to cease the waste of Water and where the necessary repairs are not made within seven (7) calendar days thereafter, the Manager of Water and Wastewater Services or their designate shall have the authority to shut-off the supply of Water by closing the Town's corporation stop or by detaching the service pipe from the watermain. Also, where the conditions of such pipes or fixtures is such as to cause a waste of Water or damage to property, then without notice, the Manager of Water and Wastewater Services, or their designate shall have the authority to shut-off the supply of Water. Before the Water is turned on again, the leaky or faulty pipes and/or fixtures shall be repaired or altered to the satisfaction of the Manager of Water and Wastewater Services or their designate. Any fees incurred by the Town executing duties authorized by Section 9.8 shall be the sole responsibility of the Owner, Occupant, and/or Customer and payable in full to the Town. No Owner, Customer or Occupant shall have any claim against the Town, its officers or agents by reason of shutting off the water. Where damages occur to property by cause of faulty fixtures or pipes, the Town will not be held responsible or liable for the water not being shut-off.

Section 10

Private Water Supply and Systems

10.1 Private Water Supply Connection – Ban

In no case shall any private water supply system be connected to the Town's Water System.

10.2 Private Water Wells

Notwithstanding anything else in this By-law, a private well shall not be permitted, with the exception of those private wells permitted pursuant to Section 10.3, as a primary or accessory structure on any lands within the limits of the Town where a municipal Water distribution system is available within the Road Allowance abutting the property. This shall not apply to:

- a) A well which legally existed prior to May 10th, 2011;

- b) A well which is installed for the purpose of environmental site assessments, remediation, water monitoring or site de-watering; or,
- c) A property used for non-residential purposes which, prior to May 10, 2011, relies upon a legally existing private well for purposes other than human consumption, such as irrigation, cooling or manufacturing.

10.3 Private Water Wells – Application Process

Property Owners, where the Town Water distribution system is not readily available, may submit an application to the Town for approval of a Potable Water supply well installation within the Town limits. The acceptance of said application will be at the sole discretion of the Town. The property Owner and/or applicant shall pay all fees, including any and all professional fees incurred by the Town, arising from this application, as set out in section 8.1.4 of Schedule "A" to this By-law.

10.4 Well Abandonment

Any well which is not being used shall be decommissioned in accordance with Regulation 903 of the *Ontario Water Resources Act*, and as may be amended.

10.5 Private Water Systems

Private water systems shall be designed, constructed, installed, altered and repaired by the Owner, at the Owner's expense, in accordance with all applicable law including but not limited to the *Building Code Act, 1992, Ontario Regulation 903*, this section, and applicable AWWA standards and specifications.

10.6 Private Water Systems – Commencement of Work

No person shall commence any work under Section 10.5 unless a building permit has been issued for the work by the Chief Building Official or their designate. In addition, no Owner or Occupant shall commence or permit the commencement of any work under Section 10.5 on that Owner's or occupier's property unless a building permit has been issued for the work by the Chief Building Official.

10.7 Private Water Systems – Installations, Renovations, Alterations

No Owner or Occupant shall perform or permit the performance of any installation, renovation or alteration of private water service pipes, private Fire Service Mains, private fire hydrants, private Water Systems and appurtenances, Backflow Prevention Devices and all related items on that Owner's or occupier's property until a building permit has been issued for the work by the Chief Building Official or their designate, where required under the *Building Code Act*, and all requirements of this section and applicable AWWA Standards and specifications have been met.

10.8 Private Water Systems – Disinfection Requirements

No person shall connect or permit to be connected any private water service pipes, private Water Systems or private Fire Service Mains, of a size equal to or greater than 100 mm in diameter to a water service connection or the waterworks until the private water service pipes, private Water Systems or private Fire Service Mains have been disinfected in accordance with this section, applicable legislation, ANSI/AWWA Standard C651-05 and that a Backflow Prevention Device has been installed by the Owner to the satisfaction of the Manager of Water and Wastewater Services, in accordance with the *Standards and Specifications*.

10.9 Private Water Systems – System Testing Requirements

Every person requesting the connection of private water service pipes, private Water Systems or private Fire Service Mains of a size equal to or greater than 100 mm in diameter to the waterworks shall, in addition to complying with all other requirements of this by-law and other applicable laws:

- a) Submit an application, to the Manger of Water and Wastewater Services; and,
- b) Pressure test, flush, disinfect and sample, according to ANSI/AWWA Standard C651-05, the private water service pipes, private Water Systems or private Fire Service Mains under the supervision of a licensed operator for the Operating Authority for the Town of St. Marys.

10.10 Private Water Systems – Supply of Water

The Town will supply water to the properties for the process of pressure testing, flushing and sampling following receipt of original copies of installation records, disinfection practices and

laboratory results, if applicable, to the satisfaction of the Manager of Water and Wastewater Services and the Operating Authority for the Town.

10.11 Private Water Systems – Verification Records and Processes

All disinfection, laboratory testing and report preparation and verification shall be done at the expense of the property Owner. Final connection to the municipal system will only be permitted following the approval of the Manager of Water and Wastewater Services and the Operating Authority for the Town.

Section 11 Prohibitions and Restrictions - Water

11.1 Unauthorized Connections

No person or Owner shall connect, cause to be connected or allow to remain connected to the Town's Water System any piping, fixture, fitting, container, appliance, vehicle, machine or the like in a manner which may under any circumstance allow untreated water, Wastewater, any source of pollution or any other liquid, chemical or substance to enter the Town's Water System.

11.2 Unauthorized Functions

No person shall repair, damage, remove, inspect, tamper with or connect to any of the Town's Water System utility without receiving prior authorization from the Town.

11.3 Fire Hydrants - Use

No person shall connect any vehicle or use water from a fire hydrant for any purpose within the Town without making application and receiving prior written approval from the Manager of Water and Wastewater Services, at his/her discretion, and such applicant shall pay the fees for use of fire hydrants as set out in section 8.2.4, 8.2.5 and/or 8.2.6 of Schedule "A" to this By-law, as applicable. This restriction shall not apply to a Town fire fighter where water is required for fire protection purposes, or for Town purposes, provided authorization is received from the Operating Authority. Use of fire hydrants shall not be permitted for recreational needs, such as, without limitation, filling swimming pools, ice rinks.

11.4 Fire Hydrant – Access

No person shall obstruct free access to any fire hydrant by placing on or within a two (2) meter radius of it, any structure, Building, fence, plant, material, earth, snow, rubbish or other obstructive matter.

11.5 Sale of Water

No person shall sell or dispose of Water in any manner to other persons.

11.6 Water Meters and Remote Read-Outs

No person shall remove, damage, alter or tamper with any Water Meter or remote read out unit, unless authorized by the Town.

11.7 Operation of Valves, Shut-offs and Hydrants

No person shall operate a curb stop, valve or fire hydrant unless that person has received permission of the Manager of Water and Wastewater Services and the Operating Authority for the Town. Fire department personnel and employees of the Operating Authority working on behalf of the Town are exempt from this restriction.

11.8 Interference of Valves, Shut-offs and Hydrants

No person shall in any way interfere with any fire hydrant, valve, curb stop, service pipe or other water works appurtenances, without prior written approval of the Manager of Water and Wastewater Services and the Operating Authority for the Town.

11.9 Curb Stop – Access

No person shall obstruct free access to any curb stop by placing on it any fence, plant, material, earth, concrete, pavement or other obstructive matter.

11.10 Locates

No person shall excavate, pave or concrete a driveway on private or public property without first obtaining a water service locate. If work is to be completed on Town lands, consent must be obtained from the Town prior to work being commenced.

11.11 Backfilling – Inspection

No person shall backfill a water service connection until it has been inspected and approved for backfilling by the Town.

11.12 Interference with Town Water Works

Any person who, without the consent of the Town, tampers with, alters, obstructs, removes, neglects, interferes with, or damages the Town's Water System shall, in addition to any other penalty allowed by law, be held liable for the cost of repair to the equipment of the Water works utility.

11.13 Contamination Prevention

No person shall directly or indirectly connect, permit or cause to be connected, allow to remain connected to the waterworks or construct, install or maintain any piping, fixture, fitting, container, appliance, equipment or any other connection which may or could enable non-Potable Water, Wastewater, or any other liquid, chemical or substance to enter the waterworks that may affect the quality of the water supply.

11.14 Service outside the Town

It is not generally within the provisions of the Town to supply Water outside the boundaries of the Town. The Town will, however, consider application for Water supply service from individuals or others located outside the limits of the Town where approval by the water authority in the adjacent municipality and all required approvals have been obtained and then submitted to Council for consideration. Special arrangements for the payment of costs incurred in providing the Water supply service, including the recovery of expenditures, must be made prior to the approval of such Water supply service.

11.15 Persons Permitted to Carry out Work

Only the persons listed in the Authorized Functions List, Schedule "B", shall carry out the corresponding functions set out in such list. Any person permitted to carry out work, as outlined in the Authorized Functions List (Schedule "B"), shall produce upon request of the Chief Building Official, or their designate, a current tester's certificate.

11.16 Water Works - Injury

Every person who willfully removes, destroys, damages, fraudulently alters or in any way injures any water service pipe, conduit, wire, rod, pedestal, post, plug, lamp or other apparatus or thing belonging to the Town is guilty of an offence and on conviction is liable to a fine, to the use of the Town, and is also liable for all damages occasioned thereby, which are recoverable under the *Provincial Offences Act*.

11.17 Liability

Every person who, by act, default, neglect or omission occasions any loss, damage or injury to any Water public utility works, or to any waterworks plant, machinery, fitting or appurtenance thereof is liable to the Town therefore.

Part 3

Wastewater Services



Water Systems By-Law
(Water, Wastewater & Storm water)

Section 12 Wastewater Connections

12.1 Must Connect

No person shall erect or cause or permit to be erected any new Building unless the new Building is connected to the Town's Wastewater collection system for sanitary drainage purposes, save and except an accessory building not required by the Building Code Act, 1992, S.O. 1992 or other applicable law to contain plumbing or a sewage system, and in accordance with the Town's "Must Connect" By-law, being a by-law to require the connection of buildings in the Town of St. Marys to main sanitary sewers, where available, by-law 78 of 2003, as amended.

12.2 Connection Discharge - Prohibition

The discharge of water originating from a source other than the Town's Drinking Water System, including but not limited to storm water or Groundwater, directly or indirectly to a Wastewater collection system connection of the Town is strictly prohibited.

12.3 Building Demolitions and Wastewater Connections

No person shall demolish any Building until each private Drain connection serving the Premises has been completely sealed at the property line from the entry of storm water, Groundwater, debris or any other contaminant.

12.4 Wastewater Service Installation – Public Property

A Wastewater connection on public property between the sanitary main and the property line shall be installed by the Town at the expense of the Owner according to the Town's standards. If required, the Town will contract out the installation of the sewer connection. The Owner shall pay the charges on a full cost recovery basis, as set out in section 8.1.6 of Schedule "A" of this by-law.

12.5 Wastewater Service Installation – Private Property

Wastewater connections on private property shall be installed by the Owner, at the Owner's expense, pursuant to a building permit having been issued for such purposes by the Chief Building Official, or their designate for the Town. Private Wastewater connections shall not be installed until the Town sanitary main which would provide service to said property has been fully completed and deemed operational by the Town.

12.6 Wastewater Service Inspections

In the event that any person constructs a sewer connection in a manner other than provided for in this by-law, the Manager of Water and Wastewater Services may order the re-excavation of the connection for the purpose of inspection and testing, and if necessary, reconstruction of the work. The Manager of Water and Wastewater Services shall have these works performed at the expense of the Owner, or disconnect the sanitary connection, in which case it shall not be reconnected except with the approval of the Manger of Water and Wastewater Services.

Section 13 Wastewater Collection Requirements

13.1 Discharge – Wastewater Collection System Requirements

No person shall discharge or deposit directly or indirectly, or cause or permit the discharge or deposit of sewage in the Wastewater collection system where to do so may result in:

13.1.1 Health and Safety Hazard(s)

A health or safety hazard to a person authorized by the Manager of Water and Wastewater Services to inspect, operate, maintain, repair, or otherwise work on the sewage works, as well as, a hazard to any person, animal, property or vegetation.

13.1.2 Offense(s) – OWRA / EPA / WSER

An offense under the *Ontario Water Resources Act* (OWRA) R.S.O. 1990, c. O.40, the *Environmental Protection Act* (EPA) R.S.O. 1990, c. E.19, or the *Wastewater Systems Effluent Regulations* (WSER)

SOR/2012-139, as amended from time to time, or any regulation made thereunder, from time to time.

13.1.3 Biosolids Quality

The failure of biosolids from the sewage works to which either sewage discharges, directly or indirectly, fail to meet the objectives and criteria listed in the Ministry of Environment (MOE) publication entitled "Guidelines for the Utilization of Biosolids and other Wastes on Agricultural Land" dated March 1996, as amended from time to time.

13.1.4 Interference

The interference with the operation or maintenance of the sewage works, or which may impair or interfere with any sewage treatment process.

13.1.5 Odour(s)

An offensive odour to emanate from the sewage works, and without limiting the generality of the foregoing, sewage containing hydrogen sulfide, carbon disulphide, other reduced sulphur compounds, amines, or ammonia in such quantity as may cause an offensive odour.

13.1.6 Damage to the Works

Any damage to the sewage works (collection or treatment), including any obstructions or restrictions to the flow in the sewage works.

13.1.7 Wastewater Characteristics

The sewage having one or more of the following characteristics:

- a) A pH less than 6.0 or greater than 10.0;
- b) Two (2) or more separate liquid layers; and / or,
- c) A temperature greater than 60 degrees Celsius.

13.2 Prohibited Contents and Restrictions

No person shall discharge or deposit directly or indirectly, or cause or permit the discharge or deposit of sewage in the Wastewater collection system (sewage works) which contains:

- a) Acute Hazardous Waste Chemicals;
- b) Combustible Liquids;
- c) Biomedical wastes;
- d) Dyes or colouring materials which may or could pass through a sewage works, discolouring the final effluent;
- e) Fuel;
- f) Hauled Sewage, except as approved in a Hauled Sewage Discharge Agreement;
- g) Ignitable Waste;
- h) Hazardous industrial waste;
- i) Hazardous waste chemicals;
- j) Hazardous Substances
- k) Pathological Waste;
- l) PCBs;
- m) Pesticides;
- n) Reactive Waste;
- o) Severely toxic waste;
- p) Radioactive Waste;
- q) Waste disposal site leachate, except where:
 - I. The person or company has prior written approval from the Manager of Water and Wastewater Services which permits the discharge or deposit of the waste disposal site leachate to the Wastewater collection system; and / or,
 - II. In the case where a certificate of approval or order has been issued which includes a provision for the disposal of waste disposal site leachate to sewage works, a copy of the certificate of approval or order is provided to the Manager of Water and Wastewater Services or, where the person is claiming an exemption, the person has received written notice from the Manager of Water and Wastewater Services that the conditions of the exemption are being met.

- r) Solid or viscous substances in quantities or of such size to be capable of causing obstruction to the flow in the collection system, including but not limited to ashes, bones, cinders, sand, mud, soil, straw, shavings, metal, glass, rags, hygiene products, feathers, tar, plastics, wood, unground garbage, animal parts or tissues, and paunch manure.
- s) The sewage contains a concentration, expressed in milligrams per litre, in excess of any one or more of the limits as shown on "Schedule E", attached herein, as amended from time to time, except where the discharge is in accordance with a valid discharge agreement or compliance program permitted by this by-law.

13.3 Discharge – Cooling Water or Uncontaminated Water

The discharge of Cooling Water or Uncontaminated Water to the Wastewater collection system is strictly prohibited.

Section 14

Separators, Interceptors and Pre-Treatment Facilities

14.1 Oil & Grease Interceptors – Food Related

Every Owner or operator of a restaurant or other industrial, commercial or Institutional Premises where food is cooked, processed or prepared, for which the Premises is connected directly or indirectly to a Sanitary Sewer, shall take all necessary measures to ensure that Oil and Grease are prevented from entering the Sanitary Sewer in excess of the provisions of this by-law. Oil and Grease interceptors shall not discharge to Storm Sewers.

14.1.1 Installation – Food Related Oil & Grease Interceptors

The Owner or operator of the Premises as set out in this subsection 14.1 shall install, operate, and properly maintain an Oil and Grease interceptor in any piping system at its Premises that connects directly or indirectly to a Sanitary Sewer. The Oil and Grease interceptors shall be installed in compliance with the most current requirements of the applicable Building Code. The installation of the Oil and Grease interceptor shall meet the requirements of the Canadian Standards Association national standard CAN/CSA B-481.2, as amended.

14.1.2 Maintenance – Food Related Oil & Grease Interceptors

All Oil and Grease interceptors shall be maintained according to the manufacturer's recommendations. The testing, maintenance and performance of the interceptor shall meet the requirements of CAN/CSA B-481. Traps should be cleaned before the thickness of the organic material and solids residuals is greater than twenty-five percent (25%) of the available volume; cleaning frequency should not be less than every four weeks. Maintenance requirements should be posted in the workplace in proximity to the grease interceptor. A maintenance schedule and record of maintenance shall be available to the Town upon request for each interceptor installed.

14.1.3 Maintenance Records – Food Related Oil & Grease Interceptors

The Owner or operator of the restaurant or other industrial, commercial or Institutional Premises where food is cooked, processed or prepared, shall, for two years, keep the document of proof for interceptor clean-out and Oil and Grease disposal.

14.1.4 Restrictions – Food Related Oil & Grease Interceptors

Emulsifiers shall not be discharged to the sewer system into interceptors. No person shall use enzymes, bacteria, solvents, hot water or other agents to facilitate the passage of Oil and Grease through a Grease Interceptor.

14.1.5 Failure to Comply – Food Related Oil & Grease Interceptors

In the case of failure to adequately maintain the grease interceptor to the satisfaction of the Manager of Water and Wastewater Services, the Manager of Water and Wastewater Services may require an alarmed monitoring device to be installed, at the expense of the Owner or operator, in accordance with specifications of CAN/CSA B-481.

14.2 Oil & Grease Interceptors – Vehicle & Equipment Services

Every Owner or operator of a vehicle or equipment service station, repair shop or garage or of an industrial, commercial or Institutional Premises or any other establishment where motor vehicles are

repaired, lubricated or maintained and where the sanitary discharge is directly or indirectly connected to a sewer shall install an Oil and Grease interceptor designed to prevent motor oil and lubricating grease from passing into the Sanitary Sewer in excess of the limits in this bylaw.

14.2.1 Installation – Vehicle & Equipment Service Interceptors

The Owner or operator of the Premises as set out in this subsection 14.2 shall install, operate, and properly maintain an Oil and Grease interceptor in any piping system at its Premises that connects directly or indirectly to a sewer. The Oil and Grease interceptors shall be installed in compliance with the most current requirements of the applicable Building Code and be maintained as recommended by the Canadian Petroleum Products Institute (CPPI).

14.2.2 Maintenance – Vehicle & Equipment Service Interceptors

All Oil and Grease interceptors and separators shall be maintained in good working order and according to the manufacturer's recommendations and shall be inspected regularly to ensure performance is maintained to the manufacturer's specifications for performance and inspected to ensure the surface oil and sediment levels do not exceed the recommended level.

14.2.3 Maintenance Records – Vehicle & Equipment Service Interceptors

A maintenance schedule and record of maintenance shall be submitted to the Town annually for each Oil and Grease interceptor installed. The Owner or Operator of the Premises as set out in subsection 14.2 shall, for two years, keep documents of proof for interceptor clean-out and Oil and Grease disposal.

14.2.4 Restrictions – Vehicle & Equipment Service Interceptors

Emulsifiers shall not be discharged to the sewer system into interceptors. No person shall use enzymes, bacteria, solvents, hot water or other agents to facilitate the passage of Oil and Grease through an Oil and Grease interceptor.

14.2.5 Failure to Comply – Vehicle & Equipment Service Interceptors

In the case of failure to adequately maintain the Oil and Grease interceptor to the satisfaction of the Town, the Town may require an alarmed monitoring device to be installed, at the expense of the Owner or operator.

14.3 Sediment Interceptors

Every Owner or operator of the Premises from which sediment may directly or indirectly enter a sewer, including but not limited to Premises using a ramp drain or area drain and vehicle wash establishments, shall install a sediment interceptor to ensure that such sediment is prevented from entering the Drain or sewer in excess of the limits in this bylaw.

14.3.1 Maintenance – Sediment Interceptors

All sediment interceptors shall be maintained, at the Owner's expense, in good working order and according to manufacturer's recommendations and shall be inspected regularly to ensure performance is maintained to the manufacturer's specifications for performance.

14.3.2 Maintenance Records – Sediment Interceptors

A maintenance schedule and record of maintenance shall be submitted to the Town upon request for each sediment interceptor installed. The Owner or operator of a Premises as set out in subsection 14.3 shall, for two years, keep documentation of interceptor clean-out and sediment disposal.

14.3.3 Maintenance – Private Catch Basins, Storm water

The maintenance of catch basins installed on private property for the purposes of collecting storm water and carrying it into the Town Storm Sewers shall be the sole responsibility of the Owners.

14.4 Dental Waste Amalgam Separators

Every Owner or operator of the Premises from which Dental Amalgam may be discharged, which waste may directly or indirectly enter a Sanitary Sewer, shall install, operate and properly maintain Dental Amalgam Separator(s) with at least 95% efficiency in amalgam weight and certified ISO 1.1143 – *"Dental Equipment: Amalgam Separators"*, in any piping system at its Premises that connects directly or indirectly to a sewer, except where the sole dental-related practice at the Premises consists of one or more of the following specialties or type of practice:

- a) Orthodontics and dentofacial orthopedics;
- b) Oral and maxillofacial surgery;
- c) Oral medicine and pathology;

- d) Periodontics; or,
- e) A dental practice consisting solely of visits by a mobile dental practitioner who prevents any Dental Amalgam from being released directly or indirectly to the Wastewater Works.

14.4.1 Installation – Dental Waste Amalgam Separators

Notwithstanding subsection 14.4, any person operating a business from which dental waste amalgam is or could be discharged directly or indirectly to a sewer shall install, operate and properly maintain dental waste amalgam separator(s) in any piping system which is connected directly or indirectly to a sewer.

14.4.2 Maintenance – Dental Waste Amalgam Separators

All dental waste amalgam separators shall be maintained, at the owner's expense, in good working order and according to the manufacturer's recommendations. A maintenance schedule and record of maintenance shall be submitted to the Town upon request for each Dental Amalgam Separator installed.

14.4.3 Compliance– Dental Waste Amalgam Separators

Notwithstanding compliance with Subsection 14.4.1 and 14.4.2, all persons operating or carrying on the business of a dental practice shall comply with the limits as set out in Schedule "E" and Schedule "F" of this bylaw.

14.5 Pre-treatment Facilities

If effluent quality discharges are found to be in excess of the limits set out in "Schedule E" of this By-law, or where required by the Town, the Owner or operator shall install and operate on the Premises, and prior to the sampling point, a Wastewater Pre-treatment facility at the sole cost of the Owner or operator.

14.5.1 Operation and Maintenance – Pre-treatment facilities

The Owner or operator shall ensure the design, operation and maintenance of the Pre-treatment facility achieves the treatment objectives and is in accordance with the manufacturer's recommendations.

14.5.2 Bio-solids Disposal – Pre-treatment facilities

The Owner or operator shall ensure any waste products from the Pre-treatment facility are disposed of in a safe manner.

14.5.3 Maintenance Records– Pre-treatment facilities

All maintenance records and waste disposal records shall be available to the Town upon request. The Owner or operator shall keep documentation pertaining to the Pre-treatment facility and waste disposal for a period of no less than five years.

Section 15 Agreements

15.1 Agreements

A person may discharge or deposit sewage into or in any connection to a Sanitary Sewer, otherwise prohibited by this by-law, where authorized, and only to the extent of such authorization, by:

15.1.1 Industrial Waste Surcharge Agreement (IWSA)

An Industrial Waste Surcharge Agreement (IWSA), which may include, without limitation, conditions for payment of additional costs of operation, repair and maintenance of the sewage works, restrictions on the discharge, and such other terms and conditions as may be deemed appropriate by the Manager of Water and Wastewater Services.

15.1.2 Sanitary Discharge Agreement (SDA)

A Sanitary Discharge Agreement (SDA), which may include, without limitation, conditions for payment for water pollution control treatment purposes that otherwise would have been obtained from a surcharge on the Water it has been supplied by the Town, restrictions on the discharge, and such other terms and conditions as may be deemed appropriate by the Manager of Water and Wastewater Services.

15.1.3 Hauled Sewage Discharge Agreement (HSDA)

A Hauled Sewage Discharge Agreement (HSDA), which may include, without limitation, conditions for payment, restrictions on the discharge, and such other terms and conditions as may be deemed appropriate by the Manager of Water and Wastewater Services.

15.1.4 Wastewater Reduction Agreement (WRA)

A Wastewater Reduction Agreement (WRA) in respect of industrial Premises that meet the restrictions as stated in Section 15.2.4 and adhere to strict requirements including but not limited to, conditions for flow monitoring, data collection and reporting, effluent discharge requirements and such other terms and conditions as may be deemed appropriate by the Manager of Water and Wastewater Services.

15.1.5 Charges

Notwithstanding section 4.2 of this by-law, Wastewater Charges charged to and payable by a person subject to an in-force Industrial Waste Surcharge Agreement (IWSA), Sanitary Discharge Agreement (SDA), Hauled Sewage Discharge Agreement (HSDA), and Wastewater Reduction Agreement (WRA) shall be charged in accordance with such agreement and this section.

15.2 Restrictions on Agreements

The agreements referenced in Subsection 15.1 herein have restrictions and specific requirements when pursuing such agreements. Restrictions on the agreements detailed within Subsection 15.1 are as follows:

15.2.1 Restrictions – Industrial Waste Surcharge Agreement (IWSA)

An Industrial Waste Surcharge Agreement (IWSA) may only be entered into with respect to the discharge of the following treatable parameters in wastewater: Biochemical Oxygen Demand (BOD), Total Phosphorus (TP), Oil and Grease (O&G) of animal and vegetable origin, Total Suspended Solids (TSS) and Total Kjeldahl Nitrogen (TKN). Schedule "G" of this By-law provides the maximum concentrations the Town will consider for Industrial Waste Surcharge Agreement, however actual concentrations allowed under an Industrial Waste Surcharge Agreement (IWSA) will be at the sole discretion of the Town.

15.2.2 Restrictions – Sanitary Discharge Agreement (SDA)

A Sanitary Discharge Agreement (SDA) may only be entered into with respect to the discharge of sewage, which contains water that has originated from a source other than the Town Water System.

15.2.3 Restrictions – Hauled Sewage Discharge Agreement (HSDA)

A Hauled Sewage Discharge Agreement (HSDA) may only be entered into with respect to the discharge of hauled sewage originating from septic tanks, portable toilets, or holding tanks and household pet waste within the Town.

15.2.4 Restrictions – Wastewater Reduction Agreement (WRA)

In addition to and without limitation to any condition that the Town may require in a Wastewater Reduction Agreement (WRA) on a case by case basis, a Waste Reduction Agreement (WRA) may only be entered into for an industrial property and, unless otherwise determined by Council, within the following parameters:

15.2.4.1 Application for Wastewater Reduction Agreement (WRA)

One application under subsection 15.1.4 for a Wastewater Reduction Agreement (WRA) shall be made for each Premises for which the Owner or Customer seeks an exemption.

15.2.4.2 Wastewater Charge Calculation

Unless otherwise determined by the Town on a case by case basis, the Wastewater Charge pursuant to a Wastewater Reduction Agreement (WRA) shall be determined as follows:

- (a) The Customer or Owner of a Premises in the Town that receives Wastewater services shall pay Wastewater services charges based on Water use, and consisting of a fixed Base Rate Charge-Wastewater and a Usage Charge-Wastewater as defined in this by-law, and as set out in section 2.0 of Schedule "A" of this by-law, as amended from time to time;
- (b) The Customer or Owner may be eligible for a rebate from the amount charged and payable pursuant to s. 15.2.4.2(a) above, based on the difference between Water

quantity used (m³) and actual effluent volumes discharged into the Town's Wastewater Works (m³) as recorded by a Flow Monitoring Device, installed and operating to the satisfaction of the Town, and multiplying this amount by the Quantity Charge/m³ as set in as the Usage Charge-Wastewater in section 2.0 of Schedule "A", and as represented by the following formula:

$$\begin{aligned} & \text{Rebate pursuant to a Waste Reduction Agreement (WRA) if eligible} \\ & \qquad \qquad \qquad = \\ & \text{(Water quantity used m}^3 \text{ – actual effluent volumes discharged into Town's} \\ & \text{Wastewater works m}^3\text{)} \\ & \qquad \qquad \qquad \times \\ & \text{Quantity Charge (\$/m}^3 \text{ as set out in Section 2.0 of Schedule "A"} \end{aligned}$$

(c) The rebate pursuant to a Wastewater Reduction Agreement (WRA), if eligible, will be determined on a Bi-Monthly basis, one billing cycle in arrears.

15.2.4.3 Conditions for a Wastewater Reduction Agreement (WRA)

In order for an Owner or Customer to qualify for a Wastewater Reduction Agreement (WRA), the following conditions must be satisfied:

- a. The Owner or Customer must consume on the Premises at least 15,000 cubic meters of Water annually;
- b. A minimum of 20 percent of the Water consumed on the Premises must be diverted from the Town's Wastewater Works; and,
- c. A Limited Water Audit, at the Owner's or Customer's sole expense, must be performed and a report certified by a Professional Engineer be submitted to the satisfaction of the Manager of Water and Wastewater Services.
- d. The Owner or Customer must have an active Industrial Waste Surcharge Agreement (IWSA) with the Town in respect of the Premises, and have demonstrated compliance with the Industrial Waste Surcharge Agreement (IWSA) for a period of not less than three consecutive months prior the approval of a Wastewater Reduction Agreement (WRA).

15.2.4.4 Municipal Connections

The Owner or Customer shall not be eligible for a Wastewater Reduction Agreement (WRA) under this Section if the Premises are not fully connected to the Town's Water and Wastewater systems.

15.2.4.5 Wastewater Reduction Agreement (WRA) Effective Date

A Wastewater Reduction Agreement (WRA), if approved by Council, shall be effective from the date that its terms and conditions have been agreed to in writing between the Town (by Council) and the Owner or Customer.

15.2.4.6 Effluent Metering

Prior to any Wastewater Reduction Agreement (WRA), the Owner or Customer shall at the Owner or Customer's sole expense, install or replace Flow Monitoring Devices of a standard approved by the Manager of Water and Wastewater Services on all process and effluent discharge lines designated by the Manager of Water and Wastewater Services. The Owner or Customer shall own such Flow Monitoring Devices installed pursuant to this section.

15.2.4.7 Effluent Metering Maintenance and Calibrations

All Flow Monitoring Devices shall, at the Owner's or Customer's sole expense, be properly tested and calibrated, at least once every 12-months to the satisfaction of the Manager of Water and Wastewater Services and be maintained in proper working order at all times. Test and calibration reports are to be provided to the Manager of Water and Wastewater Services no later than 30-days following the end of the 12-month cycle. Failure to complete and provide test and calibration reports may result in immediate termination of the Wastewater Reduction Agreement (WRA).

15.2.4.8 Monitoring Expenses

Where the Town incurs expenses to ensure that the Owner or Customer is in compliance with this subsection or any other requirement under a Wastewater Reduction Agreement (WRA), the Owner or Customer may be charged, and shall pay, fees as set out in section 8.3.3 of Schedule "A" to the By-Law.

15.2.4.9 WRA Transferability

A Wastewater Reduction Agreement (WRA) is not transferable or assignable and the Town must be notified ten (10) days prior to any change in ownership of the subject Premises.

15.2.4.10 WRA Termination

The Manager of Water and Wastewater Services may revoke a Wastewater Reduction Agreement (WRA) in the event that the Owner or Customer fails to comply with any of the conditions to qualify for the Wastewater Reduction Agreement (WRA), any of the conditions of the Wastewater Reduction Agreement (WRA), this by-law or any other Town By-Law.

15.3 Sampling Requirements - Agreements

Sampling and testing of the Wastewater being discharged into the Wastewater collection system shall be conducted by the Town, at the Owner's expense, using automated sampling devices or at the discretion of the Manager of Water and Wastewater Services, in accordance with the following manual sampling protocol:

15.3.1 Manual Sampling Protocol - Agreements

Samples from the effluent produced at a location will be collected each day for a minimum of two days. A minimum of two Grab Samples of equal volume shall be taken each day, and such samples shall be taken at least one hour apart. The analysis shall be conducted on a Composite Sample made of each day's Grab Samples and the respective results of these tests shall be averaged to determine the characteristics and concentration of the effluent being discharged into the Wastewater collection system.

15.4 Sampling Requirements for Spills - Agreements

The Town reserves the right, in the event of a Spill or major release of highly concentrated effluent, to calculate the surcharge based on a single Grab Sample. Whether Spilled or released material qualifies as highly concentrated effluent shall be determined at the sole discretion of the Town.

15.5 Form and Layout- Agreements

All agreements contemplated by this section shall be in a form satisfactory to the Manager of Water and Wastewater Services, and subject to the approval of Council.

15.6 Emergency Termination- Agreements

Any Industrial Waste Surcharge Agreement (IWSA), Sewage Discharge Agreement (SDA), Hauled Sewage Discharge Agreement (HDSA) or Wastewater Reduction Agreement (WRA) may be terminated or suspended by the Manager of Water and Wastewater Services by written notice at any time that there is an Emergency situation of immediate threat or danger to any person, property, plant or animal life, water or sewage works.

15.7 Notification of Change- Agreements

Where a person has entered into an Industrial Waste Surcharge Agreement (IWSA), Sewage Discharge Agreement (SDA), Hauled Sewage Discharge Agreement (HDSA) or Wastewater Reduction Agreement (WRA) with the Town in respect of a Premises:

- a) Such person shall notify the Manager of Water and Wastewater Services, in writing, within no more than 10 days of the occurrence, of:
 - i. Any change in ownership of the property or Premises upon or from which the discharge of sewage is occurring;
 - ii. In the case where such party is a lessee or licensee of the property or Premises upon or from which the discharge of sewage is occurring, the termination of such lease or license;
 - iii. In the case where a corporation is a party to such an agreement, any change in control or majority ownership of such corporation;

- iv. In the case where a partnership is a party to such an agreement, any change in the partnership status or partners;
 - v. Any change in the manner of discharge or deposit of the sewage by such person;
- b) In the event that a person fails to provide written notice as required by this subsection, such agreement with the Town may terminate on the 11th day following such occurrence.

15.8 Transferability - Agreements

An Industrial Waste Surcharge Agreement (IWSA), Sewage Discharge Agreement (SDA), Hauled Sewage Discharge Agreement (HDSA) or Wastewater Reduction Agreement (WRA) shall not be assignable or in any way transferable to any other person or corporation without the express written authorization of the Town.

15.9 Flow Monitoring Device-Tampering

No person shall remove, damage, alter or tamper with any Flow Monitoring Device unless authorized by the Town.

Part 4

Storm water Services



Water Systems By-Law
(Water, Wastewater & Storm water)

Section 16

Storm water Collection Requirements

16.1 Discharge – Storm water System Requirements

No person shall discharge or deposit directly or indirectly, or cause or permit the discharge or deposit of matter of any type into a Storm Sewer, Watercourse, Town or private connection to any Storm Sewer which may or could:

- a) Interfere with proper operation of a Storm Sewer;
- b) Obstruct or restrict a Storm Sewer or the flow therein;
- c) Damage a Storm Sewer;
- d) Result in any hazard or other adverse impact to any person, animal, property or vegetation;
- e) Contravene or result in the contravention of a certificate of approval or provisional certificate of approval issued under the *Ontario Water Resources Act*, R.S.O. 1990, c. O.40, or the *Environmental Protection Act*, R.S.O. 1990, c. E.19 with respect to the Storm Sewer, its discharge, or both the sewer and its discharge;
- f) Have a visible film, sheen or discoloration;
- g) Have two or more separate layers;
- h) Have a pH less than 6.0 or greater than 9.5;
- i) Have a temperature greater than 40 degrees Celsius;
- j) Contain Acute Hazardous Waste Chemicals;
- k) Contain Blowdown Water;
- l) Contain Combustible Liquids;
- m) Contain floating debris;
- n) Contain Fuels, hauled sewage, hauled sewage or sewage;
- o) Contain hazardous industrial waste, Hazardous Substances, waste chemicals, or Ignitable Waste;
- p) Contain Pathological Waste, PCBs, Pesticides or Reactive Waste;
- q) Contains severely toxic waste, Radioactive Waste or waste disposal site leachate;
- r) Contain *E.Coli* colonies in excess of 200 per 100 ml;
- s) Contain contaminants from raw materials, intermediate or final products or Wastewater from an industrial operation;
- t) Contain a concentration, expressed in milligrams per litre, in excess of any one or more of the limits set out in Schedule "F" of this By-law.

16.2 Drainage – Storm water Requirements

No Owner of residential, industrial, commercial or Institutional Premises shall do or cause to be done anything which may increase the design peak flow rates of storm water or impair the quality of storm water discharged to a Storm Sewer.

16.3 Storm water Connection Prohibitions

The direct connection of any new Storm Sewer connection to the Town's Storm Sewer system is prohibited for any new or reconstructed residential, industrial, commercial or Institutional Buildings. No direct or indirect interconnection between the private storm drainage system and the private sanitary drainage system is permitted.

16.4 Storm water Discharge to Grade

Subject to section 16.4.1, no person shall construct, install, maintain, cause or permit to be constructed, installed or maintained, drainage from any roof water leader or downspout that conveys storm water from any residential, industrial, commercial or Institutional Buildings directly or indirectly to a sanitary or Storm Sewer connection for the purpose of storm water drainage. Storm water shall be discharged at grade, away from the Building in such a manner that the storm water will not accumulate at or near the Building and will not adversely affect adjacent properties, will not discharge directly onto the street, lane or sidewalk and will not create hazardous conditions.

16.4.1 Storm water Discharge to Grade - Exception

Section 16.4 does not apply in respect of Buildings developed pursuant to approved plans of subdivision and/or site plan agreements that permitted as part of those approvals and agreements storm water connections directly into the Town's Storm Sewer system.

16.5 Storm water Disconnections

The Owner of any Building which has a roof water leader or sump pump discharging storm water or clear water from foundations, either directly or indirectly, into the Town's Wastewater Works shall disconnect the down-pipe from the underground portions at grade and shall conduct the storm water or clear water from the foundations away from the Building in such a manner that the water will not accumulate at or near the Building, will not adversely affect adjacent properties, will not discharge directly onto the street, lane, or sidewalk and will not create hazardous conditions.

16.6 Storm water Connection Exemption Application

Where compliance with subsections 16.3 and/or 16.4 compromises or creates a hazardous condition or situation, an application may be made to the Manager of Water and Wastewater Services for an exemption from the provisions of subsection 16.3 and/or 16.4. Approval or denial of an exemption will be at the sole discretion of the Town.

16.7 Sump Pump Discharge – Storm water Requirements

Subject to section 16.4.1, sump pumps are to be installed for the purpose of discharging clear water from foundation drains and ground infiltration and shall discharge onto the surface of the ground and flow overland away from the Building in such a manner that the storm water will not accumulate at or near the Building, will not adversely affect adjacent properties, will not discharge directly onto the street, lane or sidewalk and will not create hazardous conditions.

16.7.1 Prohibited Discharge – Sump Pump Discharge

At no time shall a sump pump discharge directly or indirectly into the Town's Wastewater Works. A sump pump discharge in any manner other than as specified in Section 16.7 shall constitute a violation and shall be subject to the penalties and remedies as set forth in this by-law.

16.7.2 Violation & Responsibilities – Sump Pump Discharge

A violation of this by-law will have been deemed to occur where the discharge from a sump pump, or other storm water discharge such as rain leaders or downspouts causes damage to Town land, highways, roads, right-of-ways, walkways, such as, but not limited to icing problems, damage, standing water, ponding or flows over adjoining properties. If such conditions exist or are created, the Manager of Water and Wastewater Services shall require the Owner or Occupant of the Premises to discharge the water in such a way that it will not accumulate at or near the Building, will not adversely affect adjacent properties, will not discharge directly onto the Town land, highway, road, right-of-way, or walkways, and will not create hazardous conditions. Should adverse conditions be created, the Owner of the Premises where the discharge originated from will be solely responsible for any and all costs associated with remediation efforts, as deemed necessary by the Town, and in addition shall pay the charge as set out in section 8.4.1 of Schedule "A" of this by-law. .

16.7.3 Authority to Inspect – Sump Pump Discharge

The Town has the authority to carry out any inspection reasonably required to ensure compliance with this Section. No person shall hinder or prevent the Town from carrying out any of their powers or duties.

Section 17

Private Swimming Pool Water

17.1 Conventional Non-Salt Water Swimming Pools, Hot Tubs, Spas or Wading Pools

The following subsection 17.1 applies to the discharge of water from private conventional non-salt water swimming pools, hot tubs, spas or wading pools:

17.1.1 Pool Wastewater Discharge - Prohibition

No person shall discharge Wastewater from a swimming pool, hot tub, spa or wading pool:

- a) Into the storm drainage system, unless otherwise permitted under subsection 17.1.3; or,
- b) In a manner that may cause or causes the Wastewater to flow onto an adjoining property; or,
- c) Over a valley or ravine wall or slope in a manner that may cause or causes the erosion or instability of the valley or ravine wall or slope; or,

d) In a manner other than is permitted under Sub-Sections 17.1.2 or 17.1.3.

17.1.2 Permitted Pool Wastewater Discharge

Unless otherwise prohibited under subsection 17.1.1, a person is permitted to discharge Wastewater from a swimming pool, hot tub, spa or wading pool either:

- a) By way of a temporary connection to the Sanitary Sewer, providing the owner has received permission to do so by the Town or Operating Authority; or,
- b) By way of a controlled discharge to the Owner's Premises such that the discharge is at all times contained within the Owner's Premises until it evaporates or infiltrates into the ground.

17.1.3 Permitted Pool Wastewater Discharge to Storm System

A person is permitted to discharge Wastewater from a swimming pool, hot tub, spa or wading pool to a Storm Sewer provided that all of the following conditions are met:

- a. There are no algaecides in the swimming pool, hot tub, spa or wading pool; and,
- b. The swimming pool, hot tub, spa or wading pool water is held in the pool for one week after the last dosage of chlorine and the chlorine concentration in the wastewater is at or below 0.01 mg/L, or the swimming pool, hot tub, spa or wading pool water is treated with sodium sulphate to achieve the 0.01 mg/L total chlorine limit; and,
- c. The copper concentration of the swimming pool, hot tub, spa or wading pool water is at or below 0.04 mg/L.

17.2 Salt Water Swimming Pools, Hot Tubs, Spas or Wading Pools

The following subsection 17.2 applies to the discharge of water from private salt water swimming pools, hot tubs, spas or wading pools:

17.2.1 Salt Water Pool Wastewater Discharge

No person shall discharge Wastewater from a salt water swimming pool, hot tub, spa or wading pool except:

- a. To the Sanitary Sewer, either by a permanent connection to the sanitary Drain on the Owner's Premises, or via a temporary connection to the sanitary Drain on the Owner's Premises.
- b. By way of a controlled discharge to the Owner's Premises such that the discharge is at all times contained within the Owner's Premises until it evaporates or infiltrates into the ground provided that it does not migrate onto adjacent lands.

17.3 Rainwater on Tarps

Rainwater resting on a tarp which covers a swimming pool, hot tub, spa or wading pool may be discharged into a Storm Sewer, subject to Section 16 of this by-law.

17.4 Filter Backwash Water

The backwash water from the swimming pool filter shall be discharged to the Sanitary Sewer or Owner's Premises in a manner that does not flow onto the street or a neighbouring property.

Part 5

Compliance and Enforcement



Water Systems By-Law
(Water, Wastewater & Storm water)

Section 18 Compliance Programs

18.1 Industrial Wastewater Compliance Program

An Industry may be required to submit to the Town, at the sole request of the Town, a proposed Compliance Program setting out activities to be undertaken by the Industry that would result in the prevention or reduction and control of the discharge or deposit of matter from the Industry's Premises into the Town's Wastewater Works or a private sewer system. Compliance Program submissions will only be considered for existing Industries; new discharges and dischargers must fully comply with this By-law.

18.2 Industrial Storm water Compliance Program

An Industry may be required to submit to the Town, at the sole request of the Town, a proposed Compliance Program setting out activities to be undertaken by the Industry that would result in the prevention or reduction and control of the discharge or deposit of Uncontaminated Water, Groundwater or storm water from the Industry's Premises to eliminate the discharge of matter into Town or private storm water connections. Compliance Program submissions will only be considered for existing industries; new discharges and dischargers must fully comply with this By-law.

18.3 Compliance Program Approvals

Upon receipt of the proposed Compliance Program pursuant to subsections 18.1 and/or 18.2, the Town may issue an approval for a Compliance Program for an Industry to discharge an effluent that does not comply with the limits set out in Schedule "E" or Schedule "F" of this by-law. The Industry shall be entitled to make non-complying discharges in the amount, and only to the extent set out in the Town's approval during the planning, design and construction or installation of facilities or works needed to implement the approved Compliance Program.

18.4 Compliance Program Duration

Every proposed Compliance Program shall be for a specified length of time during which Pre-treatment facilities or other measures are to be installed or implemented and shall be specific as to the remedial actions to be implemented by the Industry, the dates of commencement and completion of the activity and the materials or other characteristics of the matter to which it relates. The final activity completion date shall not be later than the final compliance date for the Compliance Program.

18.5 Authority of the Town - Compliance Programs

The Manager of Water and Wastewater Services, when authorized by Council, may execute agreements with Industries with respect to approved Compliance Programs. These agreements may include a provision for a reduction in the payment otherwise required from the Industry to the Town pursuant to an Industrial Waste Surcharge Agreement (IWSA), Sanitary Discharge Agreement (SDA), Hauled Sewage Discharge Agreement (HSDA), or Wastewater Reduction Agreement (WRA). The reduction in payment to the Town may be in such an amount and for such duration as the agreement may specify.

18.6 Compliance Programs - Termination

The Town may terminate any approved Compliance Program entered into pursuant to Section 18 by written notice at any time to the Industry in the event that the Industry fails or neglects to carry out or diligently pursue the activities required of it under its approved Compliance Program, and in the event of any such termination, the Industry shall pay to the Town the full difference in amount between what it was required to pay to the Town pursuant to the Industrial Waste Surcharge Agreement (IWSA), Sanitary Discharge Agreement (SDA), Hauled Sewage Discharge Agreement (HSDA), or Wastewater Reduction Agreement (WRA) and the amount actually paid to the Town as a result of having entered into an agreement with respect to the approved Compliance Program.

Section 19 Dilution Restrictions

19.1 Prohibition of Dilution - Wastewater

No person shall discharge, directly or indirectly, or permit the discharge or deposit of Wastewater into a Sanitary Sewer works, where water has been added to the discharge for the purposes of dilution to achieve compliance to this by-law.

19.2 Prohibition of Dilution – Storm water

No person shall discharge, directly or indirectly, or permit the discharge or deposit of storm water into a Storm Sewer works, where water has been added to the discharge for the purposes of dilution to achieve compliance to this by-law.

Section 20 Compliance Sampling and Monitoring Access Points

20.1 Sample Collection and Preservation

Where sampling is required for the purposes of determining the concentration of constituents in the Wastewater, storm water or Uncontaminated Water, the sample may be collected manually or by using an automatic sampling device and may or may not contain additives for preservation.

20.2 Sample Locations

For the purpose of determining compliance with Schedule "E" or "Schedule "F" or Schedule "G", a discrete Wastewater or storm water stream within the Premises or within the collection system may be sampled, at the discretion of the Town.

20.3 Grab Samples

Any single Grab Sample may be used to determine compliance with "Schedule "E" or Schedule "F" or Schedule "G" of this by-law.

20.4 Sample Expenses

The obligations set out in or arising out of Subsection 20.1 or 20.2 shall be completed by the Town, at the sole expense of the discharger.

20.5 Analytical Laboratory Testing

All tests, measurements, analysis and examinations of Wastewater or Storm water pursuant to this by-law, including but not limited to characteristics or contents, shall be carried out in accordance with "Standard Methods" and be performed by an Accredited Laboratory for analysis of the particular substance(s) using a method which is within the laboratory's scope of accreditation or to the satisfaction of the Town as agreed in writing prior to sample analysis.

20.6 Monitoring Location Points

The Monitoring Access Point or alternative device such as a Sampling Port shall be located on the Premises of the Owner or Operator of the Premises, as close to the property line as possible, unless the Town has given prior written approval for an alternative location.

20.7 Monitoring Location Installation and Maintenance

Each Monitoring Access Point, device or facility installed shall be designed and constructed in accordance with good practices, and shall be constructed and maintained by the Owner or Operator of the Premises at their own expense.

20.8 Monitoring Location Accessibility

The Owner or Operator or an industrial, commercial or Institutional premises, or multi-residential Building shall at all times ensure that every Monitoring Access Point, alternative device or facility installed as required by this by-law is Accessible to the Town for the purposes of observing, sampling, and flow measurements of the Wastewater, storm water or Uncontaminated Water within.

20.9 Sampling Ports

The following discharger activities require Sampling Ports when it is not possible to install a Monitoring Access Point:

- a. Dental Office; and,
- b. Businesses using photographic processing units.

Section 21 Discharger Self-monitoring

21.1 Discharger Self-Monitoring

The discharger shall complete any monitoring or sampling of any discharge to a Wastewater Works or Storm water works, as required by the Town, and provide the results to the Town in the form specified by the Town.

21.2 Monitoring Expenses

The obligations set out in or arising out of subsection 21.1 shall be completed at the sole expense of the discharger.

Section 22 Spills

22.1 Spill Notification(s)

In the event of a Spill to a Wastewater Works and / or Storm water works, the person responsible or the person having the charge, management and control of the Spill shall immediately notify and provide any requested information with regards to the Spill to:

- a. 9-1-1 Emergency (if there is any immediate danger to human health and / or safety);
- b. The Town of St. Marys Manager of Water and Wastewater Services;
- c. The Owner of the Premises where the release occurred; and,
- d. Any other person / agency whom the person reporting knows or ought to know may be directly affected or interested by the release.

22.2 Spill Containment, Remediation and Restoration

- (a) The person responsible for the Spill and the person having the charge, management and control of the Spill shall do everything reasonably possible to contain the Spill, protect the health and safety of citizens, minimize damage to property, protect the environment, clean up the Spill and contaminated residue and restore the affected area to its condition prior to the Spill.
- (b) Where the person responsible for the Spill or the person having charge, management and control of the Spill fails or neglects to carry out or diligently pursue the activities required of it in this subsection, the Town may take such measures as they deem appropriate to contain the Spill, protect the health and safety of citizens, minimize damage to property, protect the environment, clean up the Spill and associated residue and restore the affected area to its condition prior to the Spill and recover any associated costs from the person responsible for the Spill and/or the person having the charge, management and control of the Spill.

22.3 Spill Reporting Requirements

The person responsible for the Spill or the person having the charge, management and control of the Spill shall provide a detailed report on the Spill to the Town, within five (5) business days after the Spill, containing the following information to the best of their knowledge:

- a. Location of where the Spill occurred;
- b. Name and telephone number of the person who reported the Spill and the location and time where they can be contacted;
- c. Name of the person who discharged or deposited, or who is believed to have discharged or deposited, the material to the sewage works;
- d. Date and time of the Spill;
- e. Material Spilled, including characteristics and composition of material spilled;
- f. Volume of material Spilled;
- g. Duration of the Spill event;
- h. Work completed and any work still in progress in the mitigation of the Spill;
- i. Preventative actions being taken to ensure a similar Spill does not occur again; and,
- j. Copies of applicable Spill prevention and Spill response plans.

22.4 Spill Response Expenses

The Town may invoice the person or Owner responsible for the Spill to recover costs of the time, materials and services arising as a result of the Spill, incurred by the Town. The person or Owner responsible for the Spill shall be the costs as invoiced by the Town.

22.5 Duty to Report – Government Agencies

Nothing in this by-law relieves any person from complying with any notification or reporting provisions of:

- a. Other government agencies, including federal and provincial agencies, as required and appropriate for the material and circumstances Spilled; and,
- b. Any other by-law of the Town.

Section 23 Access to Information

23.1 Public Information

All information submitted to and collected by the Town that is contained in plan summaries, reports, surveys, monitoring and inspection and sampling activities will be available for disclosure to the public in accordance with the *Municipal Freedom of Information and Protection of Privacy Act*, R.S.O. 1990, c. M. 56, and/or as may otherwise be required by law, and/or in furtherance of the Town's enforcement and prosecutions under this by-law.

23.2 Confidential or Proprietary Information

In the event that any person in submitting information to the Town, in any form, as required by this by-law, where such information is confidential or proprietary or otherwise, may be exempt from disclosure under the *Municipal Freedom of Information and Protection of Privacy Act*, R.S.O. 1990, c. M. 56, the person submitting the information shall so identify that information upon its submission to the Town and shall provide sufficient details as to the reason for its purported exemption from disclosure.

23.3 Environmental Compliance Approvals

The Town shall have access to, and copies provided to any and all information contained in applicable Environmental Compliance Approvals (ECAs), formerly Certificate of Approvals (CofAs) of any Wastewater discharger to the Town's Wastewater Works.

Section 24 Inspection

24.1 Authority to Inspect

The Town has the authority to carry out any inspection reasonably required to ensure compliance with this by-law, including, but not limited to:

- a) Inspecting, observing, sampling, testing and measuring the flow in any private:
 - i. Drainage System;
 - ii. Wastewater Disposal System;
 - iii. Pre-Treatment Facility;
 - iv. Storm water;
 - v. Clear-water waste;
 - vi. Subsurface Water;
 - vii. Storm water Management Facility; and,
 - viii. Flow Monitoring Points.
- b) Determine Water consumption by reading Water / Wastewater Meters.
- c) Test Flow Measuring Devices.
- d) Collect and analyze samples of Hauled Wastewater coming to a discharge location.
- e) Make inspections of the types and quantities of chemicals being handled or used on the Premises in relation to possible release to a drainage system or Watercourse.
- f) Inspect and copy documents or remove documents from Premises to make copies.
- g) Inspect chemical storage areas and spill containment facilities and request Material Safety Data Sheets (MSDS) for materials stored or used on-site.

- h) Inspect the Premises where a release of a prohibited or restricted wastes or of water containing prohibited or restricted wastes has been made or is suspected to having been made, and to sample any or all matter that in the Town's opinion could have been part of the release.

24.2 Inspection(s)

The Town may, on reasonable notice, at any reasonable time enter onto the Premises of any Owner supplied by Water by the Town to inspect, repair, alter or disconnect the service pipe or wire, machinery, equipment or other works used to supply the Water service, or to inspect, install, repair, replace or alter a public utility meter, or to inspect for compliance with this By-Law.

24.3 Inspection – Access

No person shall hinder or obstruct, or attempt to hinder or obstruct the employees, or agents of the Town in the exercise of a power or performance of a duty under this by-law.

24.4 Access to Dwellings

The Town shall not enter a place being used as a Dwelling unless:

- a) the consent of the Owner or Occupant is first obtained, ensuring the Owner or Occupant is first advised that entry may be denied and in such circumstance, entry can only occur thereafter under authority of a warrant;
- b) a warrant issued under Section 158 of the *Provincial Offences Act* is obtained;
- c) a warrant issued under Section 439 of the *Municipal Act, 2001* is obtained;
- d) a warrant issued under subsection 386.3 of the *Municipal Act, 2001* is obtained;
- e) an order issued under Section 438 of the *Municipal Act, 2001* is obtained; or
- f) the delay necessary to obtain a warrant or the consent of the Owner or Occupant would result in the immediate danger to the health or safety of any person.

24.5 Entry on Land-Notice

Unless specifically provided for in this by-law, whenever the Town exercises a power of entry pursuant to this by-law, the Town will provide reasonable notice of the proposed entry to the Owner or Occupant of the Premises by personal service or prepaid mail or by posting the notice on the land in a conspicuous place, or such other method deemed advisable by the Manager of Water and Wastewater Services.

Section 25 General Provisions

25.1 Manager of Water and Wastewater Services–Administration

Except where otherwise provided in this by-law, this by-law will be administered by the Manager of Water and Wastewater Services, as may be appointed by Town Council or designated by the Town's Chief Administrative Officer, and/or the Manager of Water and Wastewater Services' designate.

25.2 Duty to Appoint

Where required in the discretion of the Town, the Town may designate a representative or company that would have the same authority and responsibilities as the Town as laid out in this by-law.

25.3 Conflicts with another Municipal By-Law

In the event of a conflict between the provisions of this By-Law and any other By-Law of the Town, the provision that establishes the higher standard to protect the health, safety and welfare of the general public shall prevail.

25.4 Validity

If a court of competent jurisdiction declares any subsection, section or part of this by-Law invalid, it is the intention of Council that the remainder of the by-Law shall continue to remain in force.

25.5 Severance

All schedules, forms, and tables attached to this by-law shall form part of this by-law, and the clauses, schedules and parts of schedules of this by-law shall all be severable and any part of any of the schedules hereto annexed may be by by-law altered by adding thereto or deleting therefrom.

Section 26 Offences

26.1 Offences

Every person who contravenes any provision of this by-law is, upon conviction, guilty of an offence and is liable to any penalty as provided in the *Provincial Offences Act*.

26.2 Fines

- (a) In addition to any other provision of this By-law, any person who contravenes any provision of this By-law is guilty of an offence and on conviction is liable to a minimum fine of \$500.00 and a maximum fine of \$100,000.00 as provided for in subsection 429(3)(1) of the *Municipal Act, 2001*, S.O. 2001, c. 25, as amended.
- (b) A person who is convicted of an offence under this By-law is liable, for each day or part of a day that the offence continues, to a minimum fine of \$500.00 and a maximum fine of \$10,000.00 and the total of all daily fines for the offence is not limited to \$100,000.00 as provided for in subsection 429(3)(2) of the *Municipal Act, 2001*, S.O. 2001, c. 25, as amended.

26.3 Prohibition

When a person has been convicted of an offence under this By-law,

- (a) the Ontario Court of Justice; or
- (b) any court of competent jurisdiction thereafter,

may, in addition to any penalty imposed on the person convicted, issue an order prohibiting the continuation or repetition of the offence or the doing of any act or thing by the person convicted directed toward the continuation or repetition of the offence.

Section 27 Previous By-Laws – Repealed

27.1 Previous By-Laws – Repealed

All previous by-laws pertaining to the water distribution system are hereby repealed in their entirety: By-Law 28-2011 is hereby repealed; By-Law 73-2012 is hereby repealed.

All previous by-laws pertaining to the Wastewater collection system and storm water system are hereby repealed in their entirety with the exception of Town By-law 78 of 2003, being a by-law to require the connection of buildings in the Town of St. Marys to main sanitary sewers, where available, as amended: By-Law 07-2012 is hereby repealed.

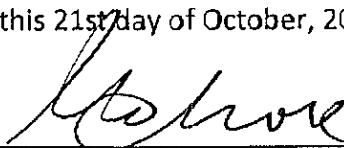
Section 28 Effective Date

28.1 Effective Date

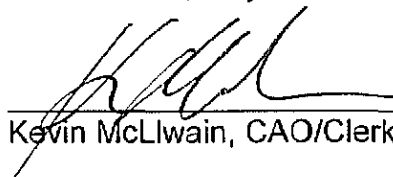
This by-law comes into force and effect on the date it is passed.

Read a first and second time this 21st day of October,, 2014.

Read a third and final time and passed this 21st day of October, 2014.



Steve Grose, Mayor



Kevin McLwain, CAO/Clerk

Schedule "A"
To
By-Law Number 46 of 2014

Unit Rates and Charges

RATES WILL COME INTO EFFECT EACH YEAR UPON APPROVAL BY RESOLUTION OF COUNCIL

1.0 Water Supply:

Definition of Billing Tier's:

Tier	Water Quantity Used (cubic metres, Bi-Monthly)
Tier 1	0-500
Tier 2	501-1,500
Tier 3	1,501 or greater

Base Rate Charge-Water:

Base Rate - Charge - Water						
Tier	Charge (\$) Bi-Monthly					
	2014	2015	2016	2017	2018	2019
Tier 1	\$26.00	\$26.78	\$27.58	\$28.41	\$28.98	\$29.56
Tier 2	\$100.00	\$103.00	\$106.09	\$109.27	\$111.46	\$113.69
Tier 3	\$400.00	\$412.00	\$424.36	\$437.09	\$445.83	\$454.75

Effective January 1st of Each Year

For cases of ownership change during a Bi-Monthly billing period the applicable Base Rate Charge-Water shall be prorated with the proportions based on time of Premises ownership during the billing period.

Usage Charge-Water:

Usage Rate - Charge - Water						
Tier	Quantity Charge (\$) /m ³					
	2014	2015	2016	2017	2018	2019
Tier 1	\$1.38	\$1.42	\$1.46	\$1.51	\$1.54	\$1.57
Tier 2	\$1.25	\$1.29	\$1.33	\$1.37	\$1.39	\$1.42
Tier 3	\$1.00	\$1.03	\$1.06	\$1.09	\$1.11	\$1.14

Effective January 1st of Each Year

Usage Charge Water = Water Quantity Used m³ x Quantity Charge/m³

Water Charge = Base Rate Charge-Water + Usage Charge-Water

2.0 Wastewater Discharge:

Definition of Billing Tier's:

Tier	Water Quantity Used
	(cubic metres, Bi-Monthly)
Tier 1	0-500
Tier 2	501-1,500
Tier 3	1,501 or greater

Base Rate Charge-Wastewater:

Base Rate Charge - Wastewater						
Tier	Charge (\$) Bi-Monthly					
	2014	2015	2016	2017	2018	2019
Tier 1	\$30.00	\$31.50	\$33.08	\$34.73	\$36.47	\$38.29
Tier 1	\$100.00	\$105.00	\$110.25	\$115.76	\$121.55	\$127.63
Tier 3	\$350.00	\$367.50	\$385.88	\$405.17	\$425.43	\$446.70

Effective January 1st of Each Year upon approval by motion of council each year ✓

For cases of ownership change during a Bi-Monthly billing period the applicable Base Rate Charge-Wastewater shall be prorated with the proportions based on time of Premises ownership during the billing period.

Usage Charge-Wastewater:

Usage Rate Charge – Wastewater (Based on Water Used)						
Tier	Quantity Charge (\$) /m ³					
	2014	2015	2016	2017	2018	2019
Tier 1	\$1.15	\$1.05	\$1.10	\$1.16	\$1.22	\$1.28
Tier 2	\$1.00	\$1.05	\$1.10	\$1.16	\$1.22	\$1.28
Tier 2	\$0.70	\$1.05	\$1.10	\$1.16	\$1.22	\$1.28

Effective January 1st of Each Year upon approval by motion of council each year

Usage Charge Wastewater = Water Quantity Used m³ x Quantity Charge/m³

Wastewater Charge = Base Rate Charge-Wastewater + Usage Charge-Wastewater

All Wastewater unit rates are to be based on Water used as indicated by the Water Meter on the Water supply line(s) to the Premises:

3.0 Storm Water Services:

4.0 Non-Resident Use:

The rates set out above for Water charge, Wastewater charge, and storm water charge apply solely to lands within the current Town boundaries; a 250% surcharge shall be applied to any non-resident use, unless otherwise agreed to by the Town.

5.0 Late Payment Charge:

The Bi-Monthly interest charge on all overdue accounts from the due date indicated on a bill shall be 2.5%.

6.0 Wastewater Connection only:

Residential Premises with Wastewater connections only shall be billed a flat rate of \$60.00 Bi-monthly.

7.0 Source Water Protection

All activities performed by the Town or their agents required to regulate and/or enforce the Source Water Protection Plan Policies approved by the Ministry of the Environment shall be charged to the Premises on a full cost recovery basis unless otherwise noted.

8.0 Rates and Charges – Water and Wastewater:

Rates, charges and/or expenses required pursuant to this by-law that are not directly and/or specifically referenced in Schedule “A” shall be charged on a time and material basis and shall be paid by the Owner, Occupant, or Customer as required by the Town..

8.1 Rates and Charges – Administration:

Section	Description	Fee Basis	Charge Rate (\$)
8.1.1	Bulk Water	Administration fee and Surcharge Rate of Use	Administration fee \$50.00 + Surcharge Rate 250% over Usage Charge-Water as set out in Section 1.0
8.1.2	Change of Occupancy	Administration fee to process change of occupancy – administer to incoming Customer (fee for Water and Wastewater)	\$25.00 Applied to first bill
8.1.3	Backflow Testing – Late Filing Fee	Fee to be administered in the event of failure to test and verify Backflow Prevention Device within 12-month period.	\$150.00
8.1.4	Private Water Well Application Fee	Cost for the Town to assess and investigate the potential impacts to the Town Water Supply Wells & Aquifer	Deposit of \$250.00 + Incurred Fees (incl. any and all Prof. Fees)
8.1.5	External Water Use Permit	Cost for the Town to assess and approve External Water Use outside of times set out in Section 9.0 of this By-Law.	\$10.00
8.1.6	Cost of Connection	Cost of connection of Utility Service	Price Based on Full Cost Recovery

8.2 Rates and Charges – Water:

Section	Description	Fee Basis	Charge Rate (\$)
8.2.1	Turn Water on / off (Non-Emergency)	Turn Water off at the curb to enable Customer to perform internal plumbing repairs, and then turn Water back on. Both shut-off and turn-on occur during normal staff working hours (8:00 a.m. to 4:00 p.m., excluding Statutory holidays)	\$30.00
8.2.2	Turn Water on / off (Non-Emergency) After Hours	Turn Water off at the curb to enable Customer to perform internal plumbing repairs, and then turn Water back on. Both shut-off and turn-on occur outside of normal staff working hours (4:00 p.m. to 7:30 a.m. and weekends and holidays)	\$185.00
8.2.3	Turn Water on / off (Non-Emergency) Cancellation	The cost to attend a Premise at the request of an Owner or contractor with the intent of either turning Water on, or turning Water off, and has the work cancelled or postponed upon arrival.	\$25.00
8.2.4	Illegal Hydrant Connection	Cost for illegal hydrant connection and Water usage	\$1000.00 + 2x Estimated Water Quantity Used as set out in section 1.0 of Schedule A
8.2.5	Temporary Hydrant Connection (Connection / Disconnection Fee)	Cost for supplying and connecting a Backflow Prevention Device, and removing said device.	\$175.00
8.2.4	Temporary Hydrant Connection (Consumption Charge)	Cost for Water supplied from temporary hydrant connection.	Minimum Charge \$500 + Current unit rate for usage over 350 cubic meters

8.3 Rates and Charges – Wastewater:

Section	Description	Fee Basis	Charge Rate (\$)
8.3.1	Sanitary Sewer Blockage – After Hours (Deemed Private)	Emergency after hours call to Operating Authority for Sanitary Sewer blockage found to be on private property. Call and work occur outside of normal staff working hours (4:00 p.m. to 7:30 a.m. and weekends and holidays)	\$165.00
8.3.2	CCTV Sanitary Sewer Camera Inspection – Deemed Private	Sanitary Sewer blockage requiring the services of a CCTV camera inspection arranged by the Town and camera inspection deems blockage to be on private property.	100% Cost of Camera Service (Contracted Service)
8.3.3	Effluent Monitoring, Testing and Sampling	Third party costs, additional Labour for retrieving samples and charges to analyze and provide results.	Price Based on Full Cost Recovery Time & Materials

8.4 Rates and Charges – Stormwater:

Section	Description	Fee Basis	Charge Rate (\$)
8.4.1	Sump Pump discharge causing adverse conditions	Improper discharge of storm water from a sump pump or rain leaders causing adverse conditions on municipal infrastructure (i.e. Roads, walkways, etc.)	\$125.00

8.5 Rates and Charges – Water Meters:

Section	Description	Fee Basis	Charge Rate (\$)
8.5.1	Water Meter Replacement Cost (to replace existing)	Cost to replace a Water Meter that has been frozen or damaged through the Owner's misuse or negligence. Water Meters must be installed by a licensed plumber.	\$210.00
8.5.2	Water Meter (New Construction) (Residential)	Includes Water Meter and touch pad to be installed by a licensed plumber at Owner's expense.	\$130.00
8.5.1	Water Meter (New Construction) (Industrial, Commercial, and Institutional Premises)	Includes Water Meter and touch pad to be installed by a licensed plumber at the Owner's expense	Price Based on Full Cost Recovery (Meter + Install)
8.5.4	Water Meter Testing (Deposit)	Deposit for Water Meter to be checked at Customer's request	\$75.00
8.5.5	Water Meter Testing (Test Charge)	Cost for Water Meter to be checked at Customer's request and found to be Accurate and within specification.	\$145.00
8.5.6	Water Meter Calibration (Town Arranged)	Cost for the Town to arrange and test / calibrate Water Meter	Price Based on Full Cost Recovery Time & materials
8.5.2	Repair or Replace touch pad wire as a result of damage	Cost for the Town to repair or replace the wire from the Water Meter to the touch pad as a result of damage.	\$60.00
8.5.8	Touch Pad not installed (Contractor)	The Cost for the Town to install the touch pad and corresponding wire for a Premises following closing date (new construction only)	\$90.00

Schedule "B"
To
By-Law Number 46 of 2014

Authorized Functions List

	Functions			
	"A"	"B"	"C"	"D"
Professional Engineer with Tester Certificate	No	Yes	Yes	Yes
Licensed Master Plumber with Tester Certificate	Yes	Yes	Yes	Yes
Journey-man Plumber with Tester Certificate ⁽¹⁾	Yes	Yes	Yes	Yes
Water Distribution Operator with Tester Certificate	No	Yes	Yes	Yes
Apprentice Plumber with Tester Certificate ⁽²⁾	Yes	Yes	Yes	No
Fire System Sprinkler Fitter with Tester Certificate	No	No	Yes	No
Lawn Irrigation System Installer with Tester Certificate	No	No	Yes	No
Municipal Building Official(s)	No	No	No	Yes

Notes to Schedule "B":

Functions:

- "A" – Install, Relocate or Replace Backflow Prevention Device;
- "B" – Repair of Backflow Prevention Device;
- "C" – Test Backflow Prevention Device.
- "D" – Carry Out Cross Connection Survey.

- (1) A licensed Journeyman Plumber shall be employed by a Licensed Plumbing Contractor;
- (2) An Apprentice Plumber shall be employed by a Licensed Plumbing Contractor under the direct supervision of a Journeyman Plumber or Master Plumber.



THE CORPORATION OF THE TOWN OF ST. MARYS

Water Supply and Distribution System
 STANDARD OPERATING PROCEDURES
 PW-WA-3F1 (Cross Connection Survey)

Schedule "C"
 To
 By-Law Number 46 of 2014
 Cross Connection Survey Form

CROSS CONNECTION SURVEY							
DATE: YYY MM DD		BUILDING ADDRESS:			BUILDING OCCUPANT:		
PROPERTY OWNER:		TELEPHONE NO.		BUILDING USE:			
SURVEYOR COMPANY		SURVEYOR NAME:		CERTIFICATE NO.		TELEPHONE NO.	
TYPE OF SYSTEM BEING SURVEYED: (CHECK ALL THAT APPLY) <input type="checkbox"/> PLUMBING SYSTEM <input type="checkbox"/> FIRE PROTECTION SYSTEM <input type="checkbox"/> LAWN SPRINKLER SYSTEM <input type="checkbox"/> OTHER _____							
PREMISE HAZARD LEVEL: <input type="checkbox"/> MINOR <input type="checkbox"/> MODERATE <input type="checkbox"/> SEVERE		FIRE SPRINKLER SYSTEM IN BUILDING? <input type="checkbox"/> YES <input type="checkbox"/> NO		CHEMICALS ADDED TO SPRINKLER SYSTEM? <input type="checkbox"/> YES <input type="checkbox"/> NO		PROTECTION AGAINST THERMAL EXPANSION? <input type="checkbox"/> YES <input type="checkbox"/> NO	
IF NO PROTECTION AGAINST THERMAL EXPANSION OR FIRE PROTECTION PRESENT, SPECIFY RECOMMENDED PROTECTION:							
#	LOCATION OF CROSS CONNECTION	EXISTING PROTECTION (TYPE AND SIZE)	SERIAL NO. (IF APPLICABLE)	DATE OF LAST TEST (YYYY/MM/DD)	DEGREE OF HAZARD	EXISTING PROTECTION ACCEPTABLE	REMARKS / COMMENTS (INCLUDE ANY PROPOSED UPGRADES)
1						<input type="checkbox"/> YES <input type="checkbox"/> NO	
2						<input type="checkbox"/> YES <input type="checkbox"/> NO	
3						<input type="checkbox"/> YES <input type="checkbox"/> NO	
4						<input type="checkbox"/> YES <input type="checkbox"/> NO	
5						<input type="checkbox"/> YES <input type="checkbox"/> NO	
6						<input type="checkbox"/> YES <input type="checkbox"/> NO	
THIS FORM IS INTENDED TO ASSIST THE QUALIFIED PERSON IN CARRYING OUT A SURVEY TO ADDRESS POTENTIAL CROSS CONNECTION SITUATIONS. IT IS THE RESPONSIBILITY OF THE OWNER OR BUILDING OCCUPIER TO BRING TO THE ATTENTION OF THE QUALIFIED PERSON ALL WATER USES WITHIN THE PREMISES TO PERMIT INSPECTION FOR POTENTIAL CROSS CONNECTIONS AND RECOMMENDATION OF CORRECTIVE ACTIONS. IF ANY. ALL SELECTIONS SHALL BE MADE IN ACCORDANCE WITH THE BACKFLOW PREVENTION BY-LAW AND THE CURRENT EDITION OF CSA-B64-10. THE TOWN OF ST. MARYS HAS JURISDICTION OVER ALL SELECTIONS. SURVEY IS SUBJECT TO APPROVAL BEFORE WORK MAY COMMENCE. PERMITS ARE REQUIRED FOR INSTALLATION OF ALL TESTABLE DEVICES.							
DEVICE TYPES: AG - AIR GAP AVB* - ATMOSPHERIC TYPE VACUUM BREAKER DCAP* - DUAL CHECK VALVE TYPE WITH ATMOSPHERIC PORT DCVA* - DOUBLE CHECK VALVE ASSEMBLY TYPE DUC* - DOUBLE CHECK VALVE TYPE DUCV* - DUAL CHECK VALVE TYPE WITH INTERMEDIATE VENT		HCVB - HOSE CONNECTION TYPE VACUUM BREAKER LACV - LISTED ALARM CHECK VALVE LFVR - LABORATORY FAUCET TYPE VACUUM BREAKER N - NONE PVB* - PRESSURE TYPE VACUUM BREAKER RSCV* - RESILIENT SEALED CHECK VALVE RP* - REDUCED PRESSURE PRINCIPLE TYPE		NOTES: (*) - PERMITS ARE REQUIRED FOR THE INSTALLATION OF THESE DEVICES		DEGREE OF HAZARD: MINOR MODERATE SEVERE	
DISTRIBUTIONS: WHITE - TOWN OF ST. MARYS YELLOW - SURVEYOR PINK - OWNER OF PROPERTY / OCCUPANT		SIGNATURE OF SURVEYOR:				DATE: YYY MM DD	



THE CORPORATION OF THE TOWN OF ST. MARYS
 Water Supply and Distribution System
 STANDARD OPERATING PROCEDURES
PW-WA-3F2 (Backflow Prevention Device Testing and Inspection Report)

Schedule "D"
 To
 By-Law Number 46 of 2014

Backflow Prevention Device Testing and Inspection Report

ADDRESS OF DEVICE:		OCCUPANT:		CONTACT PERSON:		TELEPHONE NO.				
OWNER:		ADDRESS OF OWNER:		POSTAL CODE:		TELEPHONE NO.				
SERIAL NUMBER:		MAKE:		MODEL:		SIZE:				
INSTALL DATE:		INSTALL DATE:		BUILDING:		BUILDING:				
INSTALLED ON WHAT SYSTEM: <input type="checkbox"/> DOMESTIC <input type="checkbox"/> FIRE <input type="checkbox"/> IRRIGATION <input type="checkbox"/> OTHER		LOCATION OF ASSEMBLY (i.e. ROOM NUMBER)								
TESTER'S OWNERS NUMBER:		TESTER'S KIT CALIBRATION DATE:		TESTER'S NAME:		TELEPHONE NO.				
BUSINESS NAME:		BUSINESS ADDRESS:		POSTAL CODE:		FAX NO.				
TYPE OF TEST: <input type="checkbox"/> INITIAL <input type="checkbox"/> ANNUAL <input type="checkbox"/> REPAIR <input type="checkbox"/> REPLACES SERIAL NO.				TYPE OF DEVICE: <input type="checkbox"/> RP <input type="checkbox"/> DCVA <input type="checkbox"/> PVB <input type="checkbox"/> SRPVB <input type="checkbox"/> RPF <input type="checkbox"/> DCVAF <input type="checkbox"/> SCVAF						
TEST	SHUT OFF VALVES: (APPLIED TO ALL TYPES)		DEVICES: DCVA, DCVAF, SCVAF		DEVICES: PVB, SRPVB ASSEMBLY		DEVICES: RP, RPF ASSEMBLY			
	SHUT-OFF # 1	SHUT-OFF # 2	CHECK VALVE # 1	CHECK VALVE # 2	AIR INLET VALVE	CHECK VALVE	CHECK VALVE # 1	CHECK VALVE # 2		
	<input type="checkbox"/> LEAKED	<input type="checkbox"/> LEAKED	<input type="checkbox"/> LEAKED	<input type="checkbox"/> LEAKED	<input type="checkbox"/> FAILED TO OPEN	<input type="checkbox"/> LEAKED	<input type="checkbox"/> LEAKED	<input type="checkbox"/> LEAKED		
	<input type="checkbox"/> CLOSED TIGHT	<input type="checkbox"/> CLOSED TIGHT	<input type="checkbox"/> CLOSED TIGHT	<input type="checkbox"/> CLOSED TIGHT	<input type="checkbox"/> OPENED	<input type="checkbox"/> CLOSED TIGHT	<input type="checkbox"/> CLOSED TIGHT	<input type="checkbox"/> CLOSED TIGHT		
PRESSURE DIFFERENTIAL ACROSS 1" CHECK VALVE (NO FLOW) A _____ PSI KPA				STATIC LINE PRESSURE AT _____ PSI KPA		TEST RESULT: _____		TEST DATE: _____		
<input type="checkbox"/> OPENED, OPENING POINT OF RELIEF VALVE (2 PSI +) B _____ PSI KPA				TIME OF TEST: _____		PASSED <input type="checkbox"/>		FAILED <input type="checkbox"/>		
BUFFER (3 PSI OR GREATER) A-B=C C _____ PSI KPA				KPA/PSI						
IF DEVICE FAILS THE INITIAL TEST FOR ANY REASON, COMPLETE THE SECTIONS BELOW, INDICATING THE REPAIRS AND RETEST RESULTS										
REPAIR	CHECK APPLICABLE VALVE(S): <input type="checkbox"/> RELIEF VALVE <input type="checkbox"/> CHECK VALVE # 1 <input type="checkbox"/> CHECK VALVE # 2 <input type="checkbox"/> SHUT-OFF VALVE # 1 <input type="checkbox"/> SHUT-OFF VALVE # 2									
	CHECK APPLICABLE REPAIR(S): <input type="checkbox"/> CLEAN; REAPLCE <input type="checkbox"/> DISC <input type="checkbox"/> SPRING <input type="checkbox"/> DIAPHRAGM <input type="checkbox"/> SEAT <input type="checkbox"/> GUIDE <input type="checkbox"/> O-RING <input type="checkbox"/> REPAIR-KIT									
RE-TEST	SHUT OFF VALVES: (APPLIED TO ALL TYPES)		DEVICES: DCVA, DCVAF, SCVAF		DEVICES: PVB, SRPVB ASSEMBLY		DEVICES: RP, RPF ASSEMBLY			
	SHUT-OFF # 1	SHUT-OFF # 2	CHECK VALVE # 1	CHECK VALVE # 2	AIR INLET VALVE	CHECK VALVE	CHECK VALVE # 1	CHECK VALVE # 2		
	<input type="checkbox"/> LEAKED	<input type="checkbox"/> LEAKED	<input type="checkbox"/> LEAKED	<input type="checkbox"/> LEAKED	<input type="checkbox"/> FAILED TO OPEN	<input type="checkbox"/> LEAKED	<input type="checkbox"/> LEAKED	<input type="checkbox"/> LEAKED		
	<input type="checkbox"/> CLOSED TIGHT	<input type="checkbox"/> CLOSED TIGHT	<input type="checkbox"/> CLOSED TIGHT	<input type="checkbox"/> CLOSED TIGHT	<input type="checkbox"/> OPENED	<input type="checkbox"/> CLOSED TIGHT	<input type="checkbox"/> CLOSED TIGHT	<input type="checkbox"/> CLOSED TIGHT		
PRESSURE DIFFERENTIAL ACROSS 1" CHECK VALVE (NO FLOW) A _____ PSI KPA				STATIC LINE PRESSURE AT _____ PSI KPA		RE-TEST RESULT: _____		RE-TEST DATE: _____		
<input type="checkbox"/> OPENED, OPENING POINT OF RELIEF VALVE (2 PSI +) B _____ PSI KPA				TIME OF TEST: _____		PASSED <input type="checkbox"/>		FAILED <input type="checkbox"/>		
BUFFER (3 PSI OR GREATER) A-B=C C _____ PSI KPA				KPA/PSI						
I CERTIFY THE ABOVE DEVICE HAS BEEN TESTED IN ACCORDANCE WITH THE TOWN OF ST. MARYS BYLAW NO. 54 OF 2005										
SIGNATURE OF CERTIFIED TESTER:			DATE: _____		SIGNATURE OF OWNER / TENANT:			DATE: _____		
			YYY MM DD					YYY MM DD		
REMARKS / COMMENTS:										
FOR OFFICE USE ONLY:		INSPECTOR'S SIGNATURE:					DATE: _____			
							YYY MM DD			

DISTRIBUTION: WHITE - TOWN OF ST. MARYS YELLOW - CERTIFIED TESTER PINK - OCCUPANT / OWNER

Schedule "E"
To
By-Law Number 46 of 2014

Limits for Sanitary and Combined Sewer Discharge

Parameter	MAC	Unit
Arsenic (Total)	1.0	mg/L
Benzene	0.01	mg/L
Biochemical Oxygen Demand (BOD)	300	mg/L
Cadmium (Total)	0.7	mg/L
Chemical Oxygen Demand (COD)	600	mg/L
Chloroform	0.04	mg/L
Chromium (Total)	2.8	mg/L
Cobalt (Total)	5.0	mg/L
Copper (Total)	2.0	mg/L
Cyanide (Total)	1.2	mg/L
Dichlorobenzene (1,2)	0.05	mg/L
Dichlorobenzene (1,4)	0.08	mg/L
Ethyl benzene	0.06	mg/L
Hexachlorobenzene	0.0001	mg/L
Lead (Total)	0.07	mg/L
Mercury	0.01	mg/L
Methylene Chloride (dichloromethane)	0.09	mg/L
Molybdenum (Total)	5.0	mg/L
Nickel (Total)	2.0	mg/L
Nitrogen (Total Kjeldahl)	50	mg/L
Oil and Grease (Animal / Vegetable)	150	mg/L
Oil and Grease (Mineral / synthetic)	15	mg/L
Polychlorinatedbiphenyls (PCBs)	0.004	mg/L
Phenols (Total) – Phenolic Comp.	0.1	mg/L
Phosphorus (Total)	10	mg/L
pH	6.0-10.5	-
Selenium (Total)	0.8	mg/L
Silver (Total)	0.4	mg/L
Sulphide (as H ₂ S)	1.0	mg/L
Temperature	60	°C
Tetrachloroethane (1,1,2,2)	0.06	mg/L
Tetrachloroethylene	0.06	mg/L
Toluene	0.02	mg/L
Total Suspended Solids (TSS)	300	mg/L
Trichloroethylene	0.05	mg/L
Xylenes (Total)	0.3	mg/L
Zinc (Total)	2.0	mg/L

MAC - Maximum Allowable Concentration

mg/L - Milligrams per litre

Schedule "F"
To
By-Law Number 46 of 2014

Limits for Storm Sewer Discharge

Parameter	MAC	Unit
Arsenic (Total)	0.02	mg/L
Aldrin / dieldrin	0.00008	mg/L
Benzene	0.002	mg/L
Biochemical Oxygen Demand (BOD)	15	mg/L
Bis (2-ethylhexyl) phthalate	0.0088	mg/L
Cadmium (Total)	0.008	mg/L
Chlordane	0.04	mg/L
Chloroform	0.002	mg/L
Copper (Total)	0.04	mg/L
Chromium (Total)	0.08	mg/L
Chromium (hexavalent)	0.04	mg/L
Cis-1,2-dichloroethylene	0.0056	mg/L
Cyanide (Total)	0.02	mg/L
DDT	0.00004	mg/L
Dichlorobenzene (1,2)	0.0056	mg/L
Dichlorobenzene (1,4)	0.0068	mg/L
3,3-dichlorobenzidine	0.0008	mg/L
Di-n-butyl phthalate	0.015	mg/L
Ethyl benzene	0.002	mg/L
Fecal Coliform	200	/100ml
Hexachlorobenzene	0.00004	mg/L
Hexachlorocyclohexane	0.04	mg/L
Lead (Total)	0.12	mg/L
Manganese (Total)	0.05	mg/L
Mercury	0.0004	mg/L
Methylene Chloride	0.0052	mg/L
Mirex	0.04	mg/L
Nickel (Total)	0.08	mg/L
Nonylphenols	0.001	mg/L
Nonylphenol ethoxylates	0.01	mg/L
PAHs (Total)	0.002	mg/L
Polychlorinatedbiphenyls (PCBs)	0.0004	mg/L
Pentachlorophenol	0.002	mg/L
Phenolics (4AAP)	0.008	mg/L
Phosphorus (Total)	0.4	mg/L
Selenium (Total)	0.02	mg/L
Silver (Total)	0.12	mg/L
Tetrachloroethane (1,1,2,2)	0.0117	mg/L
Tetrachloroethylene	0.0044	mg/L
Trans-1,3-dichloropropylene	0.0056	mg/L
Toluene	0.002	mg/L
Total Suspended Solids (TSS)	15	mg/L
Trichloroethylene	0.0076	mg/L
Xylenes (Total)	0.0044	mg/L
Zinc (Total)	0.04	mg/L

MAC – Maximum Allowable Concentration
mg/L – Milligrams per litre

Schedule "G"
To
By-Law Number 46 of 2014

Maximum Allowable Concentrations under an IWSA

Parameter	Annual Average	MAC	Unit
Biochemical Oxygen Demand (BOD)	1,250	1,500	mg/L
Oil and Grease (Animal / Vegetable)	350	450	mg/L
Total Kjeldahl Nitrogen (TKN)	100	100	mg/L
Phosphorus (Total)	10	10	mg/L
Total Suspended Solids (TSS)	1,250	1,500	mg/L

MAC - Maximum Allowable Concentration

mg/L - Milligrams per litre

*Actual allowable limits under an IWSA may vary depending on individual agreements, and at the sole discretion of the Town.