

# Licence

## Chapter 0617 - Plumbers - Sewer - Drain Layers

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### **Article 1 - Short Title**

#### **617.1.1 Citation**

This Chapter may be cited as the "Plumbing, Licensing and the Plumbing and Sewer Regulating By-law".

### **Article 2 - Interpretation**

#### **617.2.1 Applicant - defined**

"applicant" means the person who obtains the permit from the Engineer's Office.

#### **617.2.2 Apprentice - defined**

"apprentice" means a person as set out and described in the *Apprentice- ship and Tradesmen's Qualifications Act* and apprentices as a plumber.

#### **617.2.3 B.O.D. - defined**

"B.O.D." (denoting Biochemical Oxygen Demand) means the quantity of oxygen utilized in the biochemical oxidation organic matter under standard laboratory procedure in five (5) days at 20°C, expressed in parts per million by weight.

#### **617.2.4 Building drain - defined**

"building drain" means that part of the lowest horizontal piping of a drainage system in and adjacent to a building and which receives the discharge from soil, waste and other drainage pipes inside the walls of the building and conveys it to the building sewer, beginning three (3) feet outside the inner face of the building wall.

#### **617.2.5 Building sewer - defined**

"building sewer" means the extension of the building drain to the storm, sanitary or combined sewer, or other place of disposal.

#### **617.2.6 Combined sewer - defined**

"combined sewer" means a sewer receiving both surface run-off and sewage.

#### **617.2.7 Colour of a liquid - defined**

"colour of a liquid" means the appearance of a liquid from which the suspended solids have been removed, that results from the kind of light reflected from the liquid.

#### **617.2.8 Engineer - defined**

"Engineer" means the Engineer of the City of Woodstock.

**617.2.9 Garbage - defined**

“garbage” means solid wastes from the domestic and commercial preparation, cooking and dispensing of food, and from the handling, storage and sale of produce.

**617.2.10 Industrial waste - defined**

“industrial wastes” means the liquid wastes from industrial manufacturing processes, trade or business as distinct from sanitary sewage.

**617.2.11 Interceptor - defined**

“interceptor” means a receptacle to prevent oil, grease, sand, grit or other material from passing into piping that discharges directly or indirectly into building sewers, storm, sanitary or combined sewers, or land drainage works.

**617.2.12 Journeyman Plumber - defined**

“Journeyman Plumber” means a person other than a Master Plumber who has been employed in plumbing installation and has sufficient skill and knowledge of the trade to be considered a safe and responsible mechanic.

**617.2.13 Maintenance - defined**

“maintenance” means to preserve and keep a thing in its present state and not to add to or change its location.

**617.2.14 Maintenance man - defined**

“maintenance man” means a person employed to maintain and keep in good condition the plumbing, sewerage and drainage lines and to repair cocks, valves and leaks within the building or upon the premises owned and used by his/her employer.

**617.2.15 Master Plumber - defined**

“Master Plumber” means a person who is skilled in the planning, supervision and installation of plumbing, who is familiar with the laws, rules and regulations governing the same and who by himself/herself or by Journeyman Plumber in his/her employ, performs plumbing work.

**617.2.16 Master Plumber - resident - defined**

“Master Plumber - resident” means a Master Plumber whose regular place of business is within the limits of The Corporation of the City of Woodstock.

**617.2.17 Master Plumber - non-resident - defined**

“Master Plumber - non-resident” means a Master Plumber whose regular place of business is outside the limits of The Corporation of the City of Woodstock.

**617.2.18 Matter - defined**

“matter” includes any gaseous, liquid or solid substance, or any combination thereof.

**617.2.19 Medical Officer of Health - defined**

"Medical Officer of Health" means the Medical Officer of Health for the County of Oxford.

**617.2.20 Median coliform count - defined**

"median coliform count" means the number of all coliform bacteria enumerated by standard laboratory procedure and expressed in number of coliform bacteria per 100 millilitres.

**617.2.21 Municipality - defined**

"municipality" means The Corporation of the City of Woodstock.

**617.2.22 Natural outlet - defined**

"natural outlet" means any outlet into a watercourse, pond, ditch, lake or other body of surface or ground water.

**617.2.23 Parts per million - defined**

"parts per million" (ppm) means parts per million by weight.

**617.2.24 Parts per billion - defined**

"parts per billion" (ppb) means parts per billion by weight.

**617.2.25 Person - defined**

"person" means any individual, firm, company, association, society corporation or group.

**617.2.26 pH - defined**

"pH" means the logarithm of the reciprocal of the weight of hydrogen ions in grams per litre of solution.

**617.2.27 Phenol equivalents - defined**

"phenol equivalents" means those hydroxy derivatives of benzene, or its condensed nuclei, which can be determined by the Animoantipyrene or Gibbs method.

**617.2.28 Plumbing - defined**

"plumbing" means the art of installing in buildings the pipes for distributing the water supply, the fixtures for using water, and the soil and waste pipes for removing water and sewage, together with fittings and appurtenances of various kinds, all within or adjacent to the buildings and the building sewer, and shall include pipes of the drainage system.

**617.2.29 Plumbing contractor - defined**

"plumbing contractor" means any person, firm or corporation that does plumbing work in the City of Woodstock and employs at least one Master Plumber who performs the work of planning or superintending the installation or making alterations to or repairing plumbing.

**617.2.30 Plumbing fixture - defined**

“plumbing fixture” means a receptacle including a floor drain, that receives water, liquids or water borne wastes, and discharges any of them into a drainage system or any receptacle that is permanently connected to a plumbing system.

**617.2.31 Plumbing inspector(s) - defined**

“plumbing inspector(s)” means the inspector or inspectors authorized by the municipality to assist the Engineer in the administration and enforcement of the regulations contained in this Chapter.

**617.2.32 Plumbing system - defined**

“plumbing system” means severally and individually, the water distribution system, all fixtures and fixture traps, drainage system, building sewers and private sewage disposal systems, all leaders, together with all their devices, appurtenances and connections.

**617.2.33 Public sewer - defined**

“public sewer” means a sewer for common use by owners and occupants in carrying away sewage or land drainage or both from lands and premises served by the sewer and is controlled by the municipality.

**617.2.34 Sanitary sewer - defined**

“sanitary sewer” means a sewer which carries sewage and to which storm, surface and ground water are not intentionally admitted.

**617.2.35 Sewage - defined**

“sewage” means a combination of water-carried wastes from residences, business buildings, institutions and industrial establishments, together with such ground, surface and storm water which may be present.

**617.2.36 Sewage treatment plant - defined**

“sewage treatment plant” means any arrangement of devices and structures used for treating sewage.

**617.2.37 Sewage works - defined**

“sewage works” means all facilities for collecting, pumping, treating and disposing of sewage.

**617.2.38 Sewer - defined**

“sewer” means a pipe or conduit for carrying sewage.

**617.2.39 Sewer or drain contractor - defined**

“sewer or drain contractor” means a person or a Master Plumber who is skilled in the planning, superintending and installation of pipe and familiar with the laws, rules and regulations governing the same, has a regular place of business and who, himself/herself, or by sewer or drain layers in his/her employ, performs the work of laying sewers or drains outside of buildings.

**617.2.40 Sewer or drain layer - defined**

“sewer or drain layer” means a person or a Journeyman Plumber, other than a sewer or drain contractor, who has been employed in sewer and drain laying and has acquired sufficient skill and knowledge of the trade to be considered a safe and responsible mechanic, and who performs sewer or drain laying for a sewer or drain contractor.

**617.2.41 Shall - may - defined**

“shall” is mandatory; “may” is permissive.

**617.2.42 Storm sewer - defined**

“storm sewer” means a sewer which carries storm and surface water and drainage, but excludes sewage and industrial wastes, other than un-polluted wastes.

**617.2.43 Suspended solids - defined**

“suspended solids” means solids that either float on the surface of, or are in suspension in water, sewage, or other liquids, and which are removable by laboratory filtering.

**617.2.44 Watercourse - defined**

“watercourse” means a channel in which a flow of water occurs, either continuously or intermittently.

**617.2.45 Outside contractor - defined**

“outside contractor” means any plumbing or sewer or drain contractor whose regular place of business is not within the limits of The Corporation of the City of Woodstock.

**617.2.46 Plumbing examining board - defined**

“plumbing examining board” means the examining board appointed under the provisions of this Chapter.

**617.2.47 Regular place of business - defined**

“regular place of business” means an office, shop or store accessible to the public which may be entered from a street and having a sign displayed on the outside thereof bearing the name of the person, firm or corporation carrying on the said business, in letters not less than three (3) inches high, clearly designating that it is a Master Plumber’s shop, store or place of business.

**617.2.48 Office - shop - conformance - all regulations**

The office, shop and/or store shall conform to all City of Woodstock by-laws regulating zoning and buildings and the sign displayed shall conform to all City of Woodstock by-laws regulating signs.

**617.2.49 Business - existing - exemption**

Any business existing at the passing of the by-law under which this Chapter is founded shall be exempt.

## **Article 3 - General Provisions**

### **617.3.1 Damage - sewage works - equipment - prohibited**

No unauthorized person shall maliciously, wilfully, or negligently break, damage, destroy, uncover, deface or tamper with any structure, appurtenance, or equipment which is part of the sewage works or the sewerage system.

### **617.3.2 Inspection - all properties - to sample - test**

The Engineer and other duly authorized employees of the City of Woodstock shall be permitted to enter all properties for the purpose of inspection, observation, measurement, sampling and testing in accordance with the provisions of this Chapter.

### **617.3.3 Inspection - all properties - private - easement**

The Engineer and other duly authorized employees of the City of Woodstock shall be permitted to enter all private properties through which the City holds an easement for the purposes of, but not limited to, inspection, observation, measurement, sampling, repair and maintenance of any portion of the sewerage system or sewage works lying within said easement.

### **617.3.4 Inquiry - into process - restrictions**

The Engineer, or his/her representatives shall have no authority to inquire into any processes including metallurgical, chemical, oil, refining, ceramic, paper or other industries beyond that point having a direct bearing on the kind and source of discharge to the sewers and/or waterways and/or facilities for waste treatment.

### **617.3.5 Entry - work - on easement - terms**

All entry and subsequent work, if any, on said easement, shall be done in full accordance with the terms of the duly negotiated easement pertaining to the private property involved.

### **617.3.6 Operation - suspension - cancellation - prohibited**

If any licence granted under the terms of this Chapter, or any other Licensing By-law of the City of Woodstock, is suspended, and if any licence is cancelled, the licensee shall not exercise any right or privilege conferred by such licence, and such licensee attempting to exercise any right or privilege under such licence during such suspension, or other cancellation, shall be liable to the same penalties, and may be prosecuted in the same way as though such person being required to obtain a licence had failed to procure the same.

### **617.3.7 Violation - notice - served - remedy - with 30 days**

Any person found to be violating any provision of this Chapter shall be served by the Engineer with written notice, by registered mail, addressed to the address of such person as shown by the assessment roll, a notice stating the nature of such violation and providing thirty (30) days for the correction thereof.

**617.3.8 Offence - permanently ceased - with 30 days**

The offender shall, within the said thirty (30) days, permanently cease all violations.

**617.3.9 Continuation - deemed - contravention**

Any person who shall continue any violation beyond the time limit provided shall be guilty of a misdemeanour.

**617.3.10 Corrections - made by Engineer - owner expense**

The Engineer may make the necessary corrections of such violation if such violation is not discontinued within thirty (30) days of the mailing of the written notice and such costs incurred by the Engineer shall be charged to the offender and collected by the City in a manner similar to taxes under the authority of the *Assessment Act*.

**617.3.11 Compliance - by Engineer - owner in contravention**

Compliance by the Engineer with the provisions of this Article shall not be a condition precedent to prosecution for any violation of this Chapter.

**617.3.12 Operation without licence - notice - not required**

It is understood that no notice written or otherwise is required to be given by the City for any breach of this Chapter regarding licences prior to prosecution as set out in Section 617.3.6.

**617.3.13 Violation - expenses - damages - owner – responsibility**

Any person violating any of the provisions of this Chapter shall become liable to the City for any expense, loss or damage occasioned the by City by reason of such violation.

**617.3.14 Contravention - restrained - by action – ratepayer**

Any contravention of this Chapter, in addition to any other remedy or to any penalty imposed by this Chapter may be restrained by action at the instance of a ratepayer or the City.

**Article 4 INSPECTION - FEES**

Article 4 - Repealed: By-law 7111-94, March 17, 1994.

**Article 5 - Inspector - Duties**

Article 5 - Repealed: By-law 7111-94, March 17, 1994.

**Article 6 - Public Sewers - Use**

**617.6.1 Sewer connection - required - all buildings**

Every building in which plumbing fixtures are installed shall have a connection to a public sewer or, where a public sewer is not available, to a private sewage disposal system.

**617.6.2 Deposit - unsanitary - public - private - property**

No person shall place, deposit or permit to be deposited in any unsanitary manner on public or private property within the City of Woodstock, any human or animal excrement, garbage, or other objectionable waste.

**617.6.3 Discharge - natural outlet - treatment required**

No person shall discharge to any natural outlet within the City of Woodstock any sewage or other polluted waters, except where suitable treatment has been provided in accordance with subsequent provisions of this Chapter.

**617.6.4 Toilet - privy vault - other - outside - requirement**

No person shall construct or maintain any outside toilet, water closet, privy, privy vault, septic tank, cesspool or other facility intended or used for the disposal of sewage except as provided in this Chapter.

**617.6.5 Private system - construction - maintenance – approval**

No person shall construct or maintain any private system of disposal of excremental matter or sewage except upon permission by the Medical Officer of Health of the County of Oxford

**617.6.6 Private system - type - capacity - location**

The type, capacities, location and layout of a private sewage disposal system shall comply with all recommendations of the Medical Officer of Health and the system shall be operated and maintained in a sanitary manner at all times at no expense to the City of Woodstock.

**617.6.7 Requirements - additional - imposition**

No statement contained in this Chapter shall be construed to interfere with any additional requirements that may be imposed by the Medical Officer of Health.

**617.6.8 Sewers - existing - future - connection - required**

The owner of all houses, buildings and properties used for human occupancy, employment, recreation or other purposes, situate within the City of Woodstock and abutting or fronting on any street, alley or right-of-way, in which there is now located or may in the future be located, a public sanitary or combined sewer of the City of Woodstock, is hereby required at his/her expense to install suitable facilities therein, and to connect such facilities directly with the proper public sewer in accordance with the provisions of this Chapter within sixty (60) days after written notice thereof has been given to the lessee, owner or occupant of such premises, provided the said public sewer is within one hundred (100) feet of the property line.

**617.6.9 Private system - cleaned - filled - destroyed**

The existing private sewage disposal system shall be cleaned, filled, removed or destroyed within a period of ten (10) days after the connection has been made to the public sewer.

**617.6.10 Failure - to connect - remedied by City - owner expense**

In the event any person failing to make proper connections to the public sanitary

sewer for the collection, treatment and disposal of sewage within the time required, the work may be undertaken by the City of Woodstock either by contract or with their own forces, and all costs in respect thereto shall form a lien and charge upon the land, and such costs shall be collected in the same manner and with like remedies as ordinary taxes on land are collected under the provisions of the Assessment Act.

**617.6.11 Usage - charge - all lands drained**

Any person, whose land is required to be drained by this Chapter into a public sewer, shall be charged a reasonable rent or rate in respect of the cost or use of such sewer under the Local Improvement Act, or other pertinent by-laws of the City of Woodstock.

**617.6.12 Installation - passing under building - prohibited**

No person shall install a sanitary sewer or drain to pass under any building other than the building it serves unless otherwise approved in writing by the Engineer.

**Article 7 - Building - Sewer - Connections**

**617.7.1 Connection - without permit - prohibited**

No person shall uncover, make any connections with or opening into, use, alter or disturb any public sewer or appurtenance thereof without first obtaining a written permit from the Engineer or his/her authorized representative.

**617.7.2 Building sewer permits - 2 classes**

There shall be two (2) classes of building sewer permits:

- a. for residential, institutional, commercial service;
- b. for establishments producing industrial wastes.

**617.7.3 Sewer - separate - independent - each building**

A separate and independent building sewer shall be provided for every building unless otherwise approved by the Engineer, in writing.

**617.7.4 Sewer - old - use - examination - test - required**

Old building sewers may be used in connection with new buildings only when they are found on examination and test by the Engineer to meet all requirements of this Chapter.

**617.7.5 Sewer - old - test - request - fee**

An owner or his/her agent requiring the use of old building sewers shall apply to the Engineer in writing requesting a test to be made and enclosing the sum of five (\$5.00) dollars as a fee to cover the City of Woodstock's cost of the test.

**617.7.6 Piping - composition - acceptable**

Piping for building sewers shall be of concrete, vitrified clay tile, asbestos cement tile, bitumenized fibre, cast iron or non-ferrous metal.

**617.7.7 Tile strength - approval - required**

The strength of the tile shall be to the approval of the Engineer and shall conform to the Ontario Water Resources Commission Regulations on plumbing.

**617.7.8 Minimum diameter - from sewer - to street**

From the public sewer to the street line the minimum diameter of the building sewer shall be five (5) inches.

**617.7.9 Minimum diameter - from street - to building line**

From the street line to the building the minimum diameter of the building sewer shall be four (4) inches.

**617.7.10 Minimum diameter - calculation - commercial**

If the building sewer is to serve more than one dwelling unit, a commercial or institutional or industrial building, the minimum diameter shall be set by the Engineer from flow calculations which shall be provided by the owner.

**617.7.11 Slope - minimum - approval - required**

The slope of the building sewer shall be subject to approval by the Engineer, but in no event shall be less than 1/4 inch per foot unless with written approval of the Engineer.

**617.7.12 Joints - watertight - approved**

All building sewers shall have approved watertight joints so that infiltration shall be kept to a minimum.

**617.7.13 Construction - installation - licensed contractors – only**

Only licensed sewer or drain contractors shall construct or install building sewers.

**617.7.14 Excavation - on streets - bond - requirements**

Only licensed sewer or drain contractors who have furnished a bond satisfactory to the City shall open any City street, lane, right-of-way or alley for the purpose of installing, replacing or repairing a building sewer or making a connection to the public sewer.

**617.7.15 Excavation - permit - required**

No permit will be issued for the installation, replacement or repair of a building sewer on a City street, lane, right-of-way or alley unless an Excavation Permit is obtained.

**617.7.16 Elevation - below basement floor**

Whenever possible, the building sewer shall be brought to the building at an elevation below the basement floor.

**617.7.17 Gravity flow - unavailable - pump required**

In all buildings in which any building drain is too low to permit gravity flow to the public sewer, sanitary sewage carried by such building drain shall be lifted by an approved means and discharged to the building sewer.

**617.7.18 Connection - plumbing - intended portion - only**

All persons shall connect or cause to be connected, the plumbing system of any building lot, premises or establishment, to only that portion of the public sewer system intended for it, as shown by the records in the office of the Engineer.

**617.7.19 Downspouts - connection - to sewer - prohibited**

No person shall connect or permit to be connected, or maintain, directly or indirectly, roof downspouts, roof water, areaway drains, or other sources of surface or ground water to a building sewer, a building drain which in turn is connected directly or indirectly to a public sanitary or combined sewer.

**617.7.20 Weeping tile - connection - permitted – limitation**

Notwithstanding the provisions set out in Section 617.7.19, this shall not be deemed to prohibit the connection of weeping tile around foundation walls to either a sanitary sewer or a storm sewer as long as no surface or ground water, roof water or areaway drains are connected directly or indirectly into the weeping tile.

**617.7.21 Notice - of violation - non-conformance – remedied**

Where it is ascertained that any lands or premises are directly or indirectly connected with any sewer in violation of the provisions of this Chapter the Engineer shall serve upon the person assessed as owner of such lands and premises, by registered mail, addressed to the address of such person as shown by the assessment roll, a notice of such violation and directing such person to discontinue such violation within thirty (30) days.

**617.7.22 Failure - to comply**

If the violation set out in Section 617.7.21, is not discontinued within thirty (30) days of the mailing of such notice, the Engineer shall disconnect such connection as is prohibited by this Chapter, and all costs in respect thereto shall form a lien and charge upon the land, and such costs shall be collected in the same manner and with like remedies as ordinary taxes on land are collected under the provisions of the *Assessment Act*.

**617.7.23 Non-compliance - deemed - contravention**

Compliance by the Engineer with the provisions of this Article shall not be a condition precedent to prosecution for any violation of this Chapter. By-law 4005-65, September 2, 1965.

**617.7.24 Downspout - removal - exemptions - permitted**

Notwithstanding the regulations contained in Sections 617.7.19 to 617.7.23 inclusive, the removal of downspouts may not be deemed necessary by the Engineer or his/her designate where the resultant removal will create a health or safety hazard or undue hardship to the owner. By-law 5041-74, December 12, 1974.

**617.7.25 Connection - without approval - deemed contravention**

Any person who connects a plumbing system or a drainage system to the public sewer without notifying the Engineer's Office shall be subject to a fine under this Chapter.

**617.7.26 Connection - supervised**

The connection shall be made under the supervision of the Engineer or his/her representative.

**617.7.27 Excavations - guarded - prevention - hazard**

All excavations for building sewer installation shall be adequately guarded with barricades and lights so as to protect the public from hazard.

**617.7.28 Restoration - upon completion - satisfactory manner**

Streets, sidewalks, parkways, and other public property disturbed in the course of the work shall be restored in a manner satisfactory to the Engineer, as stated on the Excavation Form.

**617.7.29 Final reinstatement - by City - excavation - maintained**

Final reinstatement shall be carried out by City forces at the expense of the applicant, until such time as final reinstatement is carried out, the applicant shall maintain the excavation in a manner satisfactory to the Engineer.

**617.7.30 Applicant - insurance - requirement**

The applicant shall hold the City of Woodstock harmless from any damages or claims until final reinstatement is carried out.

**617.7.31 Property - not maintained - restoration - by City**

If, by neglect or otherwise, and prior to final reinstatement the restoration is not properly maintained by the applicant, the Engineer shall have proper maintenance or repairs carried out, either by City forces or by contract, at the expense of the applicant.

**Article 8 - Applications**

**617.8.1 Special form - furnished by City**

In either case set out in Section 617.7.2, the owner or his/her approved agent shall make application on a special form furnished by the City.

**617.8.2 Plans - specifications - other - requirements**

The permit application shall be supplemented by any plans, specifications, or other information considered pertinent in the judgment of the Engineer or his/her authorized representative.

**617.8.3 Fees - payment - upon - filing**

The necessary fees shall be paid to the City of Woodstock at the time the application is filed.

#### **617.8.4 Costs - borne by owner**

All costs and expense incidental to the installation and connection of the building sewer shall be borne by the owner.

#### **617.8.5 Indemnification - of City - by owner**

The owner shall indemnify the City from any loss or damage that may directly or indirectly be occasioned by the installation of the building sewer.

### **Article 9 – Rainwater Leaders**

Article 9 - Repealed: By-law 7111-94, March 17, 1994.

### **Article 10 - Interceptors**

Article 10 - Repealed: By-law 7111-94, March 17, 1994.

### **Article 11 - Flashing**

Article 11 - Repealed: By-law 7111-94, March 17, 1994.

### **Article 12 - Storm Sewer Discharge**

#### **617.12.1 Stormwater - discharge**

Stormwater and all other unpolluted drainage shall be discharged to such sewers as are specifically designated as storm sewers, or to a natural outlet approved by the Engineer.

#### **617.12.2 Industrial - cooling water - unpolluted – discharge**

Industrial cooling water or unpolluted process waters may be discharged, on approval by the Engineer, to a storm sewer or to a natural outlet.

#### **617.12.3 Directly - indirectly - into watercourse - well – other**

No person shall discharge or cause or permit to be discharged directly or indirectly into any private branch drain or sewer, or land drainage works that are capable of discharging any matter into any well, lake, river, pond, spring, stream, reservoir or other water or water course, or on any shore or bank thereof, or into any place from which the matter may be discharged into or deposited in any well, lake, river, pond, spring, stream, reservoir or other water or watercourse.

#### **617.12.4 Temperature - maximum permissible**

No person shall discharge or cause or permit to be discharged directly or indirectly into any storm sewer or any connection to a storm sewer, any matter having a temperature higher than one hundred and fifty degrees Fahrenheit (150°F) (65°C).

#### **617.12.5 Inflammable - explosive matter - prohibited**

No person shall discharge or cause or permit to be discharged directly or indirectly into any storm sewer or any connection to a storm sewer, any gasoline, benzene, naphtha, fuel oil, or other inflammable or explosive matter.

#### **617.12.6 Solid - viscous - colloidal matter - prohibited**

No person shall discharge or cause or permit to be discharged directly or indirectly into any storm sewer or any connection to a storm sewer, any solid or viscous substances such as, but not limited to, ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, garbage, whole blood, paunch manure, hair and fleshings, entrails, and paper dishes, cups, milk containers, etc., either whole or ground by garbage grinders, or any other solid, viscous, or colloidal matter.

#### **617.12.7 pH - limitations - maximum - minimum**

No person shall discharge or permit to be discharged directly or indirectly into any storm sewer or any connection to a storm sewer, any matter having a pH lower than 5.5 or higher than 9.5, or where the pH becomes lower than 5.5 or higher than 9.5, if the matter is diluted by any liquid.

#### **617.12.8 Fat - oil - grease - maximum concentration**

No person shall discharge or cause or permit to be discharged directly or indirectly into any storm sewer or any connection to a storm sewer, any matter which may contain more than fifteen (15) parts per million of fat, oil, grease, or other matter that is soluble in ether.

#### **617.12.9 Concentration - quantity - injurious - prohibited**

No person shall discharge or cause or permit to be discharged directly or indirectly into any storm sewer or any connection to a storm sewer, any matter that in any concentration or quantity that will cause the death of, or injury to any person, fish, animal, bird or fowl, or damage to any property.

#### **617.12.10 Suspended solids - maximum - concentration - size**

No person shall discharge or cause or permit to be discharged directly or indirectly into any storm sewer or any connection to a storm sewer, any matter containing suspended solids exceeding twenty (20) parts per million or which are incapable of passing through a quarter-inch screen.

#### **617.12.11 Odour - offensive - prohibited**

No person shall discharge or cause or permit to be discharged directly or indirectly into any storm sewer or any connection to a storm sewer, any matter that has or may cause an offensive odour such as, but not limited to, carbon bisulphide, hydrogen sulphide, ammonia, trichloroethylene, sulphur dioxide, formaldehyde, chlorine, bromine and/or pyridine.

#### **617.12.12 BOD - maximum - concentration - permissible**

No person shall discharge or cause or permit to be discharged directly or indirectly into any storm sewer or any connection to a storm sewer, any matter in which the BOD exceeds twenty (20) parts per million.

#### **617.12.13 Coloured matter - maximum - permissible**

No person shall discharge or cause or permit to be discharged directly or indirectly into any storm sewer or any connection to a storm sewer, any matter which requires a dilution in excess of four (4) parts of water without colour to one

(1) part of the coloured matter to dissipate the colour till it is not determinable by the colour test.

**617.12.14 Commercial - concentrations - maximum – permissible**

No person shall discharge or cause or permit to be discharged directly or indirectly into any storm sewer or any connection to a storm sewer, any matter containing any of the following materials in excess of the following concentrations:

Phenolic equivalents	20 ppb
Cyanides as HCN	0.1 ppm
Cadmium as Cd	1.0 ppm
Chromium (Hexavalent) as Cr	1.0 ppm
Copper as Cu	3 ppm
Zinc as Zn	15 ppm
Iron as Fe	17 ppm
Chlorides as Cl	1,500 ppm
Sulphates as SO <sub>4</sub>	1,500 ppm

**617.12.15 Soaps - detergents - prohibited**

No person shall discharge or cause or permit to be discharged directly or indirectly into any storm sewer or any connection to a storm sewer, any waters or wastes containing soap, laundry or dishwashing detergent in any concentration.

**617.12.16 Median coliform count - maximum permissible**

No person shall discharge or cause or permit to be discharged directly or indirectly into any storm sewer or any connection to a storm sewer, any matter in which the median coliform count exceeds 2,400 parts per millilitres.

**Article 13 - Discharge - Restrictions - Industrial Service Stations**

**617.13.1 Directly - indirectly - into watercourse - well – other**

No person in charge of any industrial process and no owner or person in charge of any eating establishment or of any premises in which motor vehicles are washed, oiled, lubricated or otherwise serviced or in which petroleum products are used, shall discharge or cause or permit to be discharged, directly or indirectly into any branch drain or land drainage works that is discharging any matter into any well, lake, river, pond, spring, stream, reservoir, or other water or watercourse or on any shore or bank thereof or into any place from which the matter may be discharged into or deposited in any well, lake, river, pond, spring, stream, reservoir, or other water or watercourse.

**617.13.2 Fat - oil - grease - interceptor - requirement**

No person in charge of any industrial process and no owner or person in charge of any eating establishment or of any premises in which motor vehicles are washed, oiled, lubricated or otherwise serviced or in which petroleum products are used, shall discharge or cause or permit to be discharged, directly or indirectly into any storm sewer or connection to a storm sewer, any matter that contains fat, oil,

grease, or other matter that is soluble in ether, unless an interceptor to remove the matter is installed in the storm sewer connection, private branch drain or land drainage works.

**617.13.3 Industrial discharge - into watercourse – prohibited**

No person in charge of any industrial process shall discharge or cause or permit to be discharged, directly or indirectly into any private branch drain, or land drainage works that is capable of discharging any matter into any well, lake, river, pond, spring, stream, reservoir or other water or watercourse or on any shore or bank thereof, or into any place from which the matter may be discharged into or deposited in any well, lake, river, pond, spring, reservoir, or other water or watercourse.

**617.13.4 Industrial discharge - in storm sewer - prohibited**

No person in charge of any industrial process shall discharge or cause or permit to be discharged, directly or indirectly into any storm sewer or any connection to a storm sewer, any matter used in, or resulting from, the industrial process unless a pipe or shaft is installed in any private branch drain, land drainage works or storm sewer connection that:

- a. extends vertically from the private branch drain, land drainage works, or storm sewer connection to the surface of the ground; and
- b. is installed as near as possible to the storm sewer to which the storm sewer connection is connected, or to the place where the matter from the private branch drain, land drainage works, or storm sewer connection is discharged and on the downstream side of the point where any matter is discharged into the private branch drain, land drainage works, or storm sewer connection; and
- c. has a cover on the open end of the pipe or shaft at the surface of the ground.

**617.13.5 Cross section - area - pipe - requirements**

Where the area of a cross section of the private branch drain, land drainage works, or storm sewer connection in which the pipe or shaft is installed is one thousand (1,000) square inches or larger, the area of a cross section of the pipe or shaft shall be not smaller than one thousand (1,000) square inches.

**617.13.6 Cross section - area - minimum requirements**

Where the area of a cross section of the private branch drain, land drainage works, or storm sewer connection where the pipe or shaft is installed is less than one thousand (1,000) square inches, the area of the pipe or shaft shall be the same as the private branch drain, land drainage works, or storm sewer connections.

**617.13.7 Pipe - installation - observations - permissible**

Any pipe or shaft installed in accordance with this Chapter shall be so installed, and at all times maintained, in such condition so as to permit observations to be made and samples to be taken of the matter in the private branch drain, land drainage works or storm sewer connection.

## **Article 14 - Sanitary - Combined - Sewers - Public**

### **617.14.1 Discharge - storm water - surface drainage - other**

No person shall discharge or cause or permit to be discharged, directly or indirectly, any storm water, surface water, ground water, roof runoff, subsurface drainage except weeping tile as provided for and described in Sections 617.7.19 and 617.7.20, uncontaminated cooling water, or unpolluted process waters to any sewer, or any combined sewer.

### **617.14.2 Discharge - directly - indirectly - prohibited**

No person shall discharge or cause or permit to be discharged, directly or indirectly, into any of the described waters set out in Section through 617.14.14 inclusive, or wastes to any sanitary or combined sewer.

### **617.14.3 Temperature - maximum - permissible**

No person shall discharge or cause or permit to be discharged, directly or indirectly, any matter having a temperature higher than one hundred and fifty degrees Fahrenheit (150°F) (65°C).

### **617.14.4 Inflammable - explosive matter - prohibited**

No person shall discharge or cause or permit to be discharged, directly or indirectly, any gasoline, benzene, naphtha, fuel oil or other inflammable or explosive matter.

### **617.14.5 Solid - viscous - colloidal matter - prohibited**

No person shall discharge or cause or permit to be discharged, directly or indirectly, any solid or viscous substances in quantities or of such size capable of causing obstruction to the flow in sewers, or other interference with the proper operation of sewage pumping stations, such as, but not limited to ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, unground garbage, paper dishes, cups, milk containers, etc., either whole or ground by garbage grinders, or any other solid, viscous or colloidal matter that is not dissolved in a liquid of a type or quantity capable of causing obstruction to the flow in sewers.

### **617.14.6 pH - limitations - minimum - permitted**

No person shall discharge or cause or permit to be discharged, directly or indirectly, any matter having a pH lower than 5.5 or where the pH becomes lower than 5.5 if the matter is diluted by any liquid.

### **617.14.7 Dangerous - injurious - matter - prohibited**

No person shall discharge or cause or permit to be discharged, directly or indirectly, any matter that may cause the death of, or injury to, any person or capable of causing damage or hazard to structures, equipment and/or personnel of the sewage works.

### **617.14.8 Toxins - poisons - hazardous - nuisance - prohibited**

No person shall discharge or cause or permit to be discharged, directly or indirectly, any waters or wastes containing toxic or poisonous solids, liquids or

gases in sufficient quantity, either singly or by interaction with other wastes, to injure or interference with the proper operation of the sewage works, constitute a hazard to humans or animals, create a public nuisance or create any hazard in the receiving waters of the sewage treatment plant, including but not limited to, waters or wastes containing metals or chemicals such as cyanide, hexavalent chromium, phenols and copper whose concentrations are more than:

Chromium as Cr (hexavalent) 3 ppm

Cyanide as HCN 2 ppm

Phenol equivalents 100 ppb

Copper as Cu 1 ppm

**617.14.9 Animal waste - hair - manure - fleshings – prohibited**

No person shall discharge or cause or permit to be discharged, directly or indirectly, any waters or wastes containing animal wastes such as hair, wool or fur, feathers, intestines or stomach casings, paunch manure, or intestinal contents, hides or parts thereof, hooves, toenails, horns, bones and fleshings.

**617.14.10 Odours - offensive - nuisance - prohibited**

No person shall discharge or cause or permit to be discharged, directly or indirectly, any waters or wastes containing hydrogen sulphide, carbon bisulphide, ammonia, trichloroethylene, sulphur dioxide, formaldehyde, chlorine, bromine, uridine or any other matter that has or may cause an offensive odour or is capable of creating a public nuisance.

**617.14.11 BOD - concentration - maximum permissible**

No person shall discharge or cause or permit to be discharged, directly or indirectly, any waters or wastes in which the BOD exceeds three hundred (300) parts per million.

**617.14.12 Garbage - not shredded - prohibited**

No person shall discharge or cause or permit to be discharged, directly or indirectly, any garbage that has not been properly shredded.

**617.14.13 Garbage - grinder - installation - operation**

The installation and operation of any garbage grinder equipped with a motor of three-fourths (3/4) horse power (0.76 h.p. metric) or greater shall be subject to the review and written approval of the Engineer.

**617.14.14 Radioactive wastes - isotopes - restrictions**

No person shall discharge or cause or permit to be discharged, directly or indirectly, any radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by the Ontario Water Resources Commission in compliance with provincial or federal government regulations.

**Article 15 - Sewers – General**

**617.15.1 Interceptors - installation - when necessary**

Grease, oil and sand interceptors shall be provided when, in the opinion of the

Engineer, they are necessary for the proper handling of liquid wastes containing grease in excessive amounts or any flammable wastes, sand, or other harmful ingredients; except that such interceptors shall not be required for private living quarters or dwelling units.

**617.15.2 Interceptors - type - capacity - location - approval**

All interceptors shall be of a type and capacity approved by the Engineer and shall be located as to be readily and easily accessible for cleaning and inspection.

**617.15.3 Preliminary treatment flow - equalizing facilities**

Where preliminary treatment or flow-equalizing facilities are provided for any wastes, they shall be maintained continuously in satisfactory and effective operation by the owner at his/her expense.

**617.15.4 Manhole - meters - installation - by owner - required**

When required by the Engineer, the owner of any property serviced by a building sewer carrying industrial wastes shall install a suitable control manhole together with such necessary meters and other appurtenances in the building sewer to facilitate observation, sampling and measurement of the waste.

**617.15.5 Manhole - location - safe - construction - plans**

The manhole set out in Section 617.15.4, shall be accessibly and safely located and shall be constructed in accordance with plans approved by the Engineer.

**617.15.6 Manhole - construction - maintenance - owner expense**

The manhole set out in Section 617.15.4, shall be constructed by the owner at his/her expense and shall be maintained by him/her so as to be safe and accessible at all times.

**617.15.7 Measurements - tests - analysis - methods**

All measurements, tests, and analysis of the characteristics of waters and wastes to which reference is made in this Chapter shall be determined in accordance with the latest methods of examination of water and waste water in use by the Ontario Water Resources Commission.

**617.15.8 Samples - to Commission - Engineer - owner's expense**

The Engineer may submit samples to the Commission for tests and analysis at the expense of the owner whose wastes are being sampled.

**617.15.9 Measurements - taken from - control manhole**

All measurements, tests and analysis shall be determined at the control manhole provided, or upon suitable samples taken at the control man- hole.

**617.15.10 Sampling - methods**

Sampling shall be carried out by customarily accepted methods to reflect the effect of constituents upon the sewage works and to determine the existence of hazards to life, limb and/or property.

**617.15.11 Discharge - concentration - flow - time - maximum**

No person shall discharge any water, sewage or industrial waste which in concentration of any given constituent or in quantity of flow exceeds for any period of duration, longer than fifteen (15) minutes more than five (5) times the average twenty-four (24) hour concentration or flows during normal operation.

**617.15.12 Arrangement - agreement - City - industrial concern**

No statement contained in this Chapter shall be construed as preventing any special arrangement or agreement between the City of Woodstock and any industrial concern whereby an industrial waste of unusual strength or character may be accepted by the City for treatment, subject to payment therefor, by the industrial concern. By-law 4005-65, September 2, 1965.

**Article 16 - Enforcement**

**617.16.1 Fine - for contravention**

Every person who contravenes any of the provisions of this Chapter is guilty of an offence and upon conviction is liable to a fine or penalty as provided in the *Provincial Offences Act*. By-law 7139-94, June 2, 1994.

**Article 17 - Repeal - Enactment**

**617.17.1 By-laws - previous**

All by-laws and parts of by-laws inconsistent herewith are hereby repealed and without restricting the generality thereof, the following by-laws are repealed:

Section 5 of the Consolidated By-laws of the City of Woodstock, By-law 1546, By-law 1639, By-law 1819,  
By-law 3125, By-law 3555, By-law 3685 and Section 7 of By-law 3673,  
regarding plumbing services.

**617.17.2 Effective date**

The by-law upon which this Chapter is founded came into force and took effect on the 2nd day of September, 1965. By-law 4005-65, September 2, 1965.