

BYLAW NO. 11

A BYLAW RESPECTING THE REGULATION OF DISCHARGES TO THE PUBLIC SEWER SYSTEMS

BE IT ENACTED by the Council of the Region of Queens Municipality, under authority of the *Municipal Government Act*, S.N.S. 1998, Chapter 18, as follows:

1. This bylaw shall be known as Bylaw Number 11 and may be cited as "The Sewer Bylaw".

DEFINITIONS

2. In this bylaw all words have their normal dictionary meaning, except as follows:

- (a) "Region" means the Region of Queens Municipality or the area contained within its municipal boundaries as the context requires;
- (b) "Council" means the Council of the Region of Queens Municipality;
- (c) "Domestic Waste" means wastewater or sewage;
- (d) "Engineer" means the Engineer for the Region of Queens Municipality or his / her designate;
- (e) "Biochemical Oxygen Demand" or "BOD" means the quantity of oxygen utilized, expressed in milligrams per litre, in the biochemical oxidation of matter within a five day test period at a temperature of twenty degrees centigrade as determined in procedures set forth in Standard Methods;
- (f) "Chemical Oxygen Demand" or "COD" means the quantity of oxygen utilized in the chemical oxidation of organic matter under standard laboratory procedure, expressed in milligrams per litre, according to Standard Methods;
- (g) "Colour of Liquid" means the appearance of a liquid from which the suspended solids have been removed;
- (h) "Combined Sewer" means a sewer that is intended to conduct wastewater and stormwater;
- (i) "Effluent" means treated wastewater flowing out of a treatment plant;

- (j) "Polluted" means altered physically, chemically or biologically such that aesthetic properties of the natural waters of the area, including any change of the temperature, taste, or odour of the waters, or the addition of any liquid, solid, radioactive, gaseous or other substance to the waters or the removal of such substances from the waters which will render or is likely to render the waters harmful to the public health, safety or welfare, or harmful or less useful for domestic, municipal, agricultural, recreational or other lawful use or for animals, birds or aquatic life;
- (k) "Grease" means all oil and grease extracted from aqueous solution or suspension according to the laboratory procedures set forth in Standard Methods, and includes, but is not limited to, hydrocarbons, esters, oils, fats, waxes and high molecular fatty acids;
- (l) "Industrial Premises" means an area of land with or without buildings or structures on which activities pertaining to industry, manufacturing, commerce, trade, business, or institutions are carried out as distinguished from domestic dwellings;
- (m) "Inspector" means a person authorized by the Engineer of the Region of Queens Municipality to carry out observations and inspections and to take samples as prescribed by this bylaw;
- (n) "Matter" includes any solid, liquid, or gas;
- (o) "Pathologic Waste" means waste generated in a hospital or similar institution which contains human or animal tissue altered or affected by disease, and includes instruments or other materials which may have come in contact with such tissue;
- (p) "Person" shall mean any individual, firm, company, association, society, corporation, partnership or group;
- (q) "pH" means the measure of the intensity of the acid or alkaline condition of a solution determined by the hydrogen ion concentration of the solution in accordance with Standard Methods;
- (r) "Phenolic Compounds" means hydroxyl derivatives of benzene and its condensed nuclei, concentrations of which shall be determined by Standard Methods;
- (s) "Professional Engineer" means a registered member in good standing of the Association of Professional Engineers of Nova Scotia;
- (t) "Provincial Regulations" means the requirements and provisions of the Province of Nova Scotia contained in any Provincial Statute or in any lawful

Regulation or Order made pursuant to the authority of any Statute of Nova Scotia;

- (u) "Sanitary Sewer" means a sewer for the collection and transmission of domestic, commercial and industrial wastewater or any combination of them, and to which uncontaminated or cooling water, storm water, surface water or groundwater are not intentionally admitted;
- (v) "Pollution Prevention" means the use of processes, practices, materials, products or energy that avoid or minimize the creation of pollutants and waste, and reduce overall risk to human health or the environment;
- (w) "Sewer" means a pipe, conduit or drain used for the collection and transmission of wastewater, stormwater, or uncontaminated process or cooling water;
- (x) "Sanitary Sewerage System" means all pipes, mains, equipment, buildings and structures for collecting, pumping or treatment of wastewater, operated by the "Region", but does not include a storm sewer;
- (y) "Storm Sewerage System" means all pipes, mains, equipment, buildings and structures for collecting or pumping of stormwater, but does not include a sanitary sewerage system;
- (z) "Standard Methods for the examination of Water and Wastewater" (herein referred to as "Standard Methods") means the analytical and examination procedures provided in the edition current at the time of testing, published jointly by the American Public Health Association and the American Water Works Association or any publication by or under the authority of the Canadian Standards Association deemed appropriate by the Region;
- (aa) "Storm Sewer" means a sewer and all related structures designed exclusively for the collection and transmission of uncontaminated water, or stormwater, or drainage from land or from any watercourse or any combination of them;
- (ab) "Public Sewer" shall mean a sewer which is located on public property and which is owned and maintained by the Region of Queens Municipality;
- (ac) "Building Sewer Connection" shall mean a sewer which is located on private property and which connects the building drainage system or the building sanitary conveniences to the sanitary sewer, storm sewer or combined sewer or other place of disposal;
- (ad) "Natural Outlet" means any outlet into a ravine, gulch, water course or bed thereof, whether the same usually contains water or not, or any stream, river creek, ditch, lake or other body or surface of groundwater;

- (ae) "Private Sewage Disposal System" means any private septic system for sewage disposal serving one or more lots of real property;
- (af) "Stormwater" means runoff water from rainfall or other natural precipitation, groundwater or water from the melting of snow or ice and includes roof drainage or footing drainage;
- (ag) "Suspended Solids" means insoluble matter that can be removed by filtration through a standard glass fibre filter as provided by "Standard Methods";
- (ah) "True Colour Units" means the measure of the colour of the water from which turbidity has been removed;
- (ai) "Uncontaminated Water" means any water, including water from a public or private water works, to which no matter has been added as a consequence or its use, or to modify its use, by any person, and may include cooling water;
- (aj) "Waste" means any material discharged into the sewerage system;
- (ak) "Wastewater" means any liquid waste containing animal, vegetable, mineral, or chemical matter in solution or suspension carried from any premises;
- (al) "Watercourse" means the bed and shore of every river, stream, lake, creek, pond, spring, lagoon, swamp, marsh, wetland, ravine, gulch or other natural body of water and the water therein, and any channel, ditch, reservoir, drain, land drainage works or other man-made surface feature, whether it contains or conveys water or not.
- (am) "Combined Sewer System" means a sewer intended to function simultaneously as a storm sewer and sanitary sewer.

PETITION AND COMMITTEES

- 3.1 Whenever the majority of the owners of property in any designated area of the Region petition the Council for the construction of a public sewer, then the Council may, in due time, and unless for sufficient reason to the contrary, order the same to be constructed.
- 3.2 Every petition for a public sewer shall clearly state the locality in which the new sewer is required, and the points between which the petitioners are desirous of having the same constructed.
- 3.3 When the Council deems it necessary that a sewer be constructed in any area or any portion of the Region, the Council may order by resolution and without the authorization of any petition of the owners such that sewer to be constructed and

all the provisions of the bylaws relating to and regulating the use of public sewers in force in the Region are applicable to any sewer constructed by virtue of such resolution.

- 3.4 The Council may by resolution order that the necessary work be undertaken to lay out, excavate and complete a public sewer in any area of the Region.
- 3.5 The Council may by resolution order the repair or improvement of existing public sewers in the area of the Region, whenever Council considers this to be necessary and desirable.
- 3.6 All Building Sewer Connections forming part of any public sewer shall extend to the edge of the highway or street right-of-way and connections to all such points to any building shall be the responsibility of the property owner.

REQUIRED USE OF SEWERS

4.1 Disposal of Waste:

No person shall discharge matter of any type or at any temperature or in any quantity which may be or may become a health or safety hazard to any employee of the Region, or which may be or may become harmful to a sewerage system, or which may cause the sewerage system effluent to contravene any requirements of any applicable federal or provincial legislation, or which may interfere with the proper operation of a sewerage system, or which may impair or interfere with any sewage treatment process, or which is or may result in a hazard to any person, animal, property, or vegetation.

4.2 Discharges to Combined and/or Sanitary Sewers:

Except as otherwise provided in this bylaw, no person shall discharge, release, suffer or cause to be discharged into any sanitary sewer, combined sewer, public or private connections to any sanitary sewer or combined sewer any of the following:

- (a) Matter of a type or quantity that has emitted or may emit a toxic or poisonous vapour or a chemical odour that may interfere with the proper operation of the sewerage system, constitute a hazard to humans, animals or property, or create any hazards or become harmful in the receiving waters or the sewerage system;
- (b) Noxious or malodorous gases or substances capable of creating a public nuisance except human wastes, including, but not limited to, hydrogen sulphide, mercaptans, carbon disulphide, other reduced sulphur compounds, amines and ammonia;

- (c) Ashes, cinders, sand, potters clay, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood or other solid or viscous substances capable of causing obstruction to the flow of sewers or other interference with the proper operation of the sewerage system;
- (d) Wastewater which consists of two or more separate liquid layers;
- (e) Paunch manure or intestinal contents from horses, cattle, sheep or swine, hog bristles, pig hooves or toenails, animal intestines or stomach casings, bones, hides or parts thereof, animal manure of any kind, poultry entrails, heads, feet or feathers, eggshells, fleshing and hair resulting from tanning operations;
- (f) Animal fat or flesh in particles larger than will pass through a quarter (1/4) inch screen;
- (g) Gasoline, benzene, naphtha, fuel oil or other flammable or explosive matter or wastewater containing any of these in any quantity;
- (h) Waste which, either by itself or upon the reaction with other material, becomes highly coloured;
- (i) Wastes containing herbicides, pesticides or xenobiotics including, but not limited to, polychlorinated biphenols (PCB's);
- (j) Atomic wastes and radioactive materials except as may be permitted under the Atomic Energy Control Act (Canada) currently in force and regulations thereunder;
- (k) Wastewater or uncontaminated water having a temperature in excess of sixty (60) degrees Celsius;
- (l) Wastewater having a pH less than 5.5 or greater than 9.5 or having any other corrosive or scale forming properties capable of causing damage or hazards to the sewerage system or personnel of the Region;
- (m) Matter of any type or at any temperature or in any quantity which may cause the sludge from the sewerage system to fail to meet the criteria relating to contaminants for spreading the sludge on agricultural lands, under Nova Scotia guidelines for sewage sludge utilization on agricultural lands;
- (n) Stormwater, water from drainage of roofs or footing drains or land, or water from a watercourse or uncontaminated water, except in the case of discharge to any combined sewer;
- (o) Sewage containing dyes or colouring materials that pass through a sewage

works and discolour the sewage works effluent;

- (p) Wastewater containing any of the following in excess of the indicated concentrations:

Aluminum (Al)	50 Milligrams/Litre
Antimony (Sb)	5 Milligrams/Litre
Arsenic (As)	1 Milligram/Litre
Barium (Ba)	5 Milligrams/Litre
Beryllium (Be)	5 Milligrams/Litre
Bismuth (Bi)	5 Milligrams/Litre
Cadmium (Cd)	0.1 Milligram/Litre
Chlorides expressed as Cl	1500 Milligrams/Litre
Chromium (Cr)	4 Milligrams/Litre
Cobalt (Co)	5 Milligrams/Litre
Copper (Cu)	1 Milligram/Litre
Cyanide expressed as HCN	2 Milligrams/Litre
Fluorides expressed as F	10 Milligrams/Litre
Iron (Fe)	50 Milligrams/Litre
Lead (Pb)	2 Milligrams/Litre
Manganese (Mn)	5 Milligrams/Litre
Mercury (Hg)	0.1 Milligrams/Litre
Molybdenum (Mo)	5 Milligrams/Litre
Nickel (Ni)	2 Milligrams/Litre
Phenolic Compounds	1 Milligram/Litre
Phosphorus (P)	30 Milligrams/Litre
Sulphates expressed as SO ₄	1500 Milligrams/Litre
Sulphide expressed as H ₂ S	2 Milligrams/Litre
Selenium (Se)	5 Milligrams/Litre
Silver (Ag)	2 Milligrams/Litre
Tin (Sn)	5 Milligrams/Litre
Zinc (Zn)	3 Milligrams/Litre

- (q) Wastewater of which the BOD exceeds three hundred (300) milligrams per litre;
- (r) Wastewater containing more than three hundred fifty (350) milligrams per litre of suspended solids;
- (s) Wastewater of which the COD exceeds one thousand (1000) milligrams per litre;
- (t) Wastewater containing more than one hundred (100) milligrams per litre of non-petroleum-derived fat, grease, or oil, and, in the case of petroleum derived mineral oils, in concentrations exceeding fifteen (15) milligrams per litre;

- (u) Any matter in such quantities which exert excessive chlorine requirements so as to constitute a significant load on the wastewater treatment works;
- (v) Wastewater containing fish offal or pathologic wastes;
- (w) Septic tank sludge, wastes from marine vessels or vehicles or sludge from sewage treatment plants;
- (x) Any waters or wastes containing substances for which special treatment or disposal practices are required by applicable provincial or federal legislation.

4.3 No person shall connect a sump pump to a public sanitary sewer.

4.4 The presence in wastewater of any one of the matters in section 4.2 in a concentration in excess of its limits constitutes a separate offence.

4.5 Compliance with any limit is not attainable simply by dilution.

4.6 It shall be unlawful to discharge to any natural outlet within the Region or in any area under the jurisdiction of the said Regional Council any sewage or other polluted waters, except where suitable treatment has been provided in accordance with subsequent provisions of this bylaw.

4.7 The owner of a building, shop, store, office, the nearest part of which is not more than one hundred feet from any portion of a public sewer shall be required at the owners expense to construct a building sewer connection therefrom and connect the same to the said public sewer in accordance with the provisions of this bylaw. The construction of the required building sewer and the connecting of same to the public sewer must be fully completed within one hundred and twenty (120) days after the date of the receipt of written notice from the Region to do so.

4.8 No person, firm or corporation shall damage, break or remove any portion of the public sewerage system, or its appurtenances.

4.9 Without limiting any of the foregoing, no person shall discharge or cause to be discharged any waters or wastes containing substances which are not amenable to treatment or reduction through the sewage treatment processes employed, or are amenable to treatment only to such degree that the sewage treatment plant effluent cannot meet the federal and provincial requirements;

4.10 If any waters or wastes are discharged, or are proposed to be discharged to the public sewers, which waters or wastes contain or possess the characteristics enumerated in section 4.2 of this bylaw, the Engineer may do any or all of the following:

- (a) Reject the wastes;
 - (b) Require pretreatment to an acceptable condition before discharge to the public sewers;
 - (c) Require control over the quantities and rates of discharge;
 - (d) Require payment from the party responsible for the discharge to cover the added cost of handling and treating the wastes not covered by existing taxes or sewage charges;
- 4.11 If the Engineer requires the pretreatment or equalization of waste flows, the design and installation of the plants and equipment shall be subject to the review and approval of the engineer as well as subject to the requirements of all applicable codes, ordinances, laws and regulations.
- 4.12 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 inflammable wastes, sand and all other harmful ingredients; except that such interceptors shall not be required for private living quarters or dwelling units. 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.
- 4.13 Where preliminary treatment or flow equalizing facilities are provided for any waters or wastes, all facilities shall be maintained continuously so as to assure their effective operation. All costs associated with such facilities and their maintenance shall be the sole responsibility of the operator.
- 4.14 The provisions contained herein shall not be construed so as to prevent any special agreement or arrangements between the Council and any industrial concern or institution whereby an industrial or institutional waste of unusual strength or character may be accepted by the Council, for treatment subject to payment thereof by the Industrial concern.
- 4.15 **Discharges to Storm Sewers:**

Except as otherwise provided in this bylaw, no person shall discharge, release, place or cause to be placed, any substance other than stormwater or uncontaminated water into a storm sewer.

BUILDING SEWERS AND CONNECTIONS

- 5.1 No unauthorized person shall uncover, make any connections with or opening into, use, alter or disturb any public sewer or appurtenance thereof without first obtaining a permit from the Engineer. The property owner seeking such a permit shall make application on a form furnished by the Engineer, which form shall have the content as given in Schedule "B" of this bylaw. The permit application shall be supplemented by plans, specifications and other information as is deemed

necessary by the Engineer

- 5.2 (a) No connection to a municipal sewer shall be made except under the supervision of the Engineer.
- (b) No connection to a public sewer shall be covered until it has been inspected and approved by the Engineer.
- 5.3 Every person connecting to a public sewerage system shall construct the connection according to requirements of the National Building and Plumbing Codes in force at the time of such connection.
- 5.4 No person shall connect any storm sewer to any public sanitary sewer.
- 5.5 Where a building has been connected to the public sewerage system or the Engineer has ordered, in writing, a building to be so connected, the Engineer may order the owners of outhouses or private sewage disposal systems to remove such outhouses and to destroy or fill such private sewage disposal systems within ninety (90) days of the giving of such order.
- 5.6 All costs associated with the installation, connection, maintenance or repair of a building sewer connection to the public sewer system, including the costs of any necessary permits, are the sole responsibility of the owner. The owner shall further indemnify the Region from any loss or damage that may be directly or indirectly occasioned by the installation, connection, maintenance or repair of the building sewer connection.
- 5.7 It shall be the duty of any person, firm or corporation who constructs any private sewer or building sewer connection, to securely protect the opening or excavation in accordance with the Nova Scotia Occupational Health and Safety Act and the Nova Scotia Department of Labour Regulations.
- 5.8 (a) Applications for building sewer permits shall be made to the Engineer
- (b) Building Sewer Connection permits shall be valid only when signed by the Engineer
- 5.9 A separate and independent building sewer shall be provided for every building, except where, in the opinion of the Engineer, it is impractical or un-economical to do so. Where a building sewer connection is to serve more than one building or property, the Engineer may prescribe terms and conditions respecting right-of-ways, easements and access that are reasonable in the circumstances.
- 5.10 Existing 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 the requirements of this bylaw.

- 5.11 In the connection of a building sewer connection, the size, slope, alignment, materials of construction of the building sewer, and the methods to be used in excavating, placing of the pipe, jointing, testing, backfilling the trench, and connection to the public sewer shall all conform to the requirements set out by the Engineer.
- 5.12 Whenever possible, the building sewer shall be brought to the building at an elevation below the basement floor. In all buildings in which the building sewer connection is too low to permit gravity flow to the public sewer, sanitary sewage carried by such building sewer shall be lifted by an approved means and discharged by the building sewer connection to the public sewer system. In no case shall the average depth of a public sewer main on public property be more than twelve (12) feet below grade for the purpose only of accommodating a gravity flow from a building sewer connection.
- 5.13 The person who originally made application for the building sewer connection permit shall notify the Engineer when the building sewer is ready for inspection and connection to the public sewer.
- 5.14 All work performed shall be performed in the construction of a building sewer connection shall be performed under the supervision of an Engineer.

APPLICATION TO CONNECT

- 6.1 The construction and installation of any building service connection shall be conducted subject to the inspection and review by the Engineer and the specifications for labour and materials under which the public sewer was constructed are to be considered as part of the specifications for any such building service connection, modified, however, so as to be applicable to the building or buildings situate on the property to be served by such building service connection.
- 6.2 (a) Whenever any building sewer connection is abandoned, the owner shall effectively block up the connection at the property line so as to prevent sewage from backing up into the soil, or dirt being washed into the public sewer.
- (b) Where the owner does not effectively block up a building sewer connection as required under the provisions of subsection 6.2(a) within thirty (30) days from receipt of a notice from the Engineer requiring him to do so, the Council may cause the same to be done and the cost of such work caused to be done by the Council may be recovered as a debt by the Region from the owner in an action in any court of competent jurisdiction.

POWERS AND AUTHORITY OF THE ENGINEER

- 7.1 The Engineer of the Region shall be permitted to enter all properties for the purposes of inspection, observation, measurement, sampling and testing, in accordance with the provisions of the bylaw.
- 7.2 The owner or operator of industrial premises with one or more connections to a sewage works shall install and maintain in good repair in each connection a suitable manhole to allow observation and sampling of the wastewater and measurement of the flow of wastewater therein, provided that where installation of a manhole is not possible, an alternative device or facility may be substituted with the written approval of the Engineer.
- 7.3 The manhole or alternate device shall be located on the property of the owner or operator of the premises, unless the Engineer has given written approval for a different location.
- 7.4 Every manhole, device or facility installed as required by subsection 7.2 shall be designed and constructed in accordance with sound engineering practice and the requirements of the Engineer, and shall be constructed and maintained by the owner or operator of the premises at his expense.
- 7.5 The owner or operator of industrial premises shall at all times ensure that every manhole, device or facility installed as required by subsection 7.2 is at all times measuring the flow of wastewater therein.
- 7.6 Where a sample is required for the purpose of determining the characteristics or contents of the wastewater, uncontaminated water or stormwater to which reference is made in this bylaw:
- (a) one sample alone is sufficient and the sample or a composite sample, may contain additives for its preservation and may be collected manually or by using an automatic sampling device;
 - (b) except as otherwise specifically provided in this bylaw, all tests, measurements, analyses and examinations of wastewater, uncontaminated water and stormwater, shall be carried out in accordance with Standard Methods; and
 - (c) for each of the metals whose concentration is limited in this bylaw the analysis shall be for the concentration of total metal, which includes all metal both dissolved and particulate.
- 7.7 Where testing of a sample is required for the purpose of determining the characteristics of contents of the wastewater, uncontaminated water or stormwater to which reference is made in this bylaw, said testing shall be conducted in

accordance with the method hereinafter described or by mechanical sampling devices:

Method of Sampling and Analysis

- 7.8 (a) A minimum of seven (7) grab samples shall be taken, one (1) each day at different days in any thirty (30) day period;
- (b) Analyses shall be conducted separately on each day's grab sample;
- (c) The final results of these tests shall be averaged for this period to determine the characteristics and concentration of the effluent being discharged into the sewerage system or storm sewer system.
- 7.9 The Engineer may from time to time conduct such tests as are deemed necessary at the manhole, or may enter the industrial premises and conduct the tests as deemed necessary.

SPILLS

- 8.1 Every person who discharges or deposits or causes or permits the discharge or deposit of any matter in any public sewer that in nature or quantity is unusual or extraordinary shall immediately notify the "Engineer".
- 8.2 For any of the discharges in subsection 8.1 for which the person is required to immediately notify the Region, the notification shall include the following information.
- (a) name of the company and the address of location of spill;
- (b) name of person reporting the spill and telephone number where that person can be reached;
- (c) time of the spill;
- (d) type and volume of material discharged and any potential hazards; and
- (e) corrective actions being taken to control the spill.
- 8.3 Within five days following a spill, the person responsible for the spill shall submit to the Region a detailed written report describing the cause of the spill and the actions taken or to be taken to prevent a recurrence.

REPORTS

- 9.1 Any person who deposits, intends to deposit or permits or intends to permit the deposit of any wastes except domestic wastes into a sanitary or combined public sewer shall file a Waste Survey Report with the Engineer.
- 9.2 The Waste Survey Report shall contain the following information and shall be signed by an authorized representative of the owner or operator:
- (a) name and address of the premises, and names of its owner and operator;
 - (b) description of process operations, including waste discharge rates and contaminant concentrations, hours of operation and plans and reports certified by a professional engineer indicating proposed industrial expansion, addition, new construction, or proposed pre-treatment works; and
 - (c) a schematic process diagram indicating waste discharge points and waste descriptions.
- 9.3 The Waste Survey Report shall be in the form attached as Schedule "C".
- 9.4 Where a change occurs in any information described in a Waste Survey Report, the owner or operator of the premises shall submit a new Waste Survey Report setting out the changes.
- 9.5 No person shall deposit any wastes other than domestic waste in any sanitary or combined sewer until:
- (a) a Waste Survey Report has been filed with the Engineer; and
 - (b) the Engineer has confirmed, in writing, that the wastes will comply with the requirements of this bylaw.
- 9.6 As and when the Engineer deems it necessary any user of the public sewerage system may be required to enter into a compliance program and to thereafter submit a letter of compliance as referred to in Schedule "D" hereof.
- 9.7 A person to whom a compliance program has been issued shall not be prosecuted under this bylaw so long as the compliance program is being fully complied with.

SEWER CHARGES

- 10.1 Every owner of land on which any building is connected to a public sewer system, or on which a building is situate that the Engineer has ordered connected to a public sewer system, and the time allocated for such connection has expired shall pay to the Region an annual Sewer Service Charge.

- 10.2 Equivalent User Units are set out in Schedule "A" of this bylaw. Each user property connected to the public sewer system shall be assigned an Equivalent User Unit by the Region and it shall be the responsibility of the property owner to ensure that the Region is notified of any changes that affect the Equivalent User Unit.
- 10.3 The annual sewer service charge for an Equivalent User Unit of 1.0 as referred to in Schedule "A" shall be two hundred sixty-one dollars thirty-six cents (261.36).
- 10.4 Hospitals, homes with medical care facilities and public schools shall pay an annual sewer charge based on an Equivalent User Unit as set out in Schedule "A" of this bylaw, but in no case shall hospitals, homes with medical care facilities and public schools pay more than three thousand twenty-five dollars (\$3025.00) for their annual sewer service charge.
- 10.5 Laundromats shall pay an annual sewer service charge based on an Equivalent User Unit as set out in Schedule "A" of this bylaw, but in no case shall laundromats pay more than nine hundred sixty-eight dollars (\$968.00) for their annual sewer service charge.
- 10.6 Community Facilities shall pay an annual sewer service charge based on an Equivalent User Unit as set out in Schedule "A" of this bylaw, but in no case shall any of the community facilities listed in Schedule "E" of this bylaw, pay more than the equivalent of one (1) Equivalent User Unit for their annual sewer service charge.
- 10.7 Sewer service charges shall be levied on the owners of all properties liable to pay the same commencing four months from the date on which a property owner was notified in writing that municipal sewerage services are now available to his / her property or the date on which a building on the property has been connected to the sewer, whichever is the earlier.
- 10.8 For the purposes of this bylaw, a public sewer has been installed when the Engineer has notified the Council that the system or project of which the sewer forms part is complete and ready for use.
- 10.9 The Clerk shall forward a notice to each person who is to be liable for the payment of a sewer service charge, that a sewer system has been installed, and is available to service his / her property.
- 10.10 The annual sewer service charge shall be payable in four equal installments and shall be billed quarterly.
- 10.11 The sewer service charge shall be due and payable 30 days after billing.

- 10.12 The sewer service charge, if not paid by due date, shall bear interest at the same rate as charged on unpaid taxes.
- 10.13 The sewer service charge is a lien on the whole of the property subject to the sewer charge and may be collected in the same manner and with the same effect as unpaid rates and taxes under the *Assessment Act*.
- 10.14 Unpaid sewer service charges and interest thereon may be collected in the same manner as other rates and taxes.
- 10.15 Any real property in respect of which there are unpaid sewer service charges is liable to be sold in the same manner as is provided for the sale of land for unpaid rates and taxes pursuant to the *Assessment Act*.
- 10.16 Every person connecting to the public sewer system shall pay the building sewer connection charge therefor as may from time to time be set by the Council of the Region.
- 10.17 The sewer connection charge shall constitute a lien on the real property being serviced and this charge includes interest thereon may be collected in the same manner as the sewer service charge.
- 10.18 The Region is not responsible for any part of a building sewer connection that is not in a public street, highway or sewer easement.

APPEALS

- 11.1 Where, under any provision of this bylaw, approval or permission of the Engineer is required before any work or thing may be done and that approval or permission is denied, an appeal shall be addressed to the Engineering and Works Committee of the Region.
- 11.2 The right of appeal provided in subsection 11.1 must be exercised within thirty (30) days from the date the Engineer provides his decision in writing to the owner.
- 11.3 A further appeal shall be addressed to the Regional Council from the decision of the Engineering and Works Committee of the Region.
- 11.4 The right of appeal provided in subsection 11.3 must be exercised within thirty (30) days from the date the Engineering and Works Committee of the Region renders its decision in writing to the owner.

OFFENSES

- 12.1 Any person who contravenes any section of this bylaw is liable on conviction to a penalty of not less than \$100.00 and not more than \$1,000.00 and in default of payment to imprisonment for a term of not more than ninety (90) days.

VOLUNTARY PAYMENT

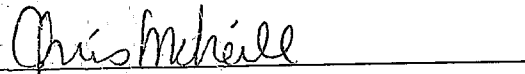
- 13.1 A person who is alleged to have violated this bylaw and where the notice so provides, may pay a penalty in the amount of \$100.00 to the office of the Region provided that said payment is made within a period of fourteen (14) days following the day on which the alleged violation was committed and where the said notice so provides for a voluntary payment, said payment shall be in full satisfaction, releasing and discharging all penalties incurred by the person for said violation.

REPEAL

- 14.1 The Bylaw Respecting the Regulation of Discharges to the Public Sewer Systems of the Region of Queens Municipality adopted by the Council of the Region of Queens Municipality on the 15th day of May, 2006, is hereby repealed.

THIS IS TO CERTIFY that the foregoing bylaw was passed at a duly called meeting of the Council of the Region of Queens Municipality held on the 15th day of January, 2007.


Mayor


Regional Clerk

First Reading:	December 18, 2006
Newspaper:	December 27, 2006
Second Reading:	January 15, 2007
Date of Publication:	January 23, 2007
<u>Filed</u> / Approved	February 28, 2007
Minister of Service Nova Scotia & Municipal Relations	

Schedule "A"

TYPE OF USER	NUMBER OF EQUIVALENT USER UNITS
Single Family Dwelling	1.0
for each doctor or dentist in a private home, add	1.0
for each beauty or barber shop in a private home, add	0.75
Mobile Home	1.0
Individual Apartment	0.6
Senior Citizens Home, per unit	0.5
Hospitals and Homes with Medical Care Facilities	0.75
without laundry facilities, per bed	0.5
with laundry facilities, per bed	0.75
Schools, per classroom	1.0
without cafeteria or gym	1.5
with cafeteria or gym	0.5
with second gym, add	2.0
with both cafeteria and gym	1.0
Doctor's Office, Dentist's Office, Beauty or Barber Shop	1.0
Tourist Trailer Park with hook-up facilities	1.0
dump station	0.75
per space	0.3
each additional bathroom	0.3
Hotels, Motels, and Tourist Cottages	0.5
with housekeeping facilities, per room or unit	0.3
without housekeeping facilities, per room or unit	1.0
with a swimming pool, add	1.0
Tourist Home/Bed and Breakfast	1.2
with one bathroom	0.3
each additional bathroom, add	0.3
Stores, Banks, Clubs, Recreational Facilities, and places of business	1.0
including Industrial premises	0.5
first washroom facility	0.3
each additional washroom facility, add	0.3
Churches, Church Halls, each washroom facility	0.3
Buildings owned by Fraternal Organizations, Clubs, Halls	0.3
each washroom facility	0.3
Fire Halls and Fire Stations	1.0
with washroom facilities	1.0
Laundromat	0.5
each machine, add	1.0
Service Stations with washroom facilities	1.0
with dump station	1.0
Car wash facilities, each bay	2.0
Restaurant, cafeteria, snack bar	2.0
Premises licensed by N.S. Liquor Commission: Restaurant, Lounge, Dining Room or Club	2.0

**REGION OF QUEENS MUNICIPALITY
WATER/SEWER CONNECTION PERMIT**

Schedule "B"

I hereby make application to connect to the Region of Queens Municipality Water/Sewer System according to the information given below.

Owner of Building _____
 Address _____
 Proposed Location _____
 Intended Use of Building _____

DETAILS

Size of Sewer Outlet _____
 Size of Water Lateral _____
 Number of Units _____
 Material _____

A Fee of _____ is payable prior to connection being made.

I hereby agree to comply with the Water/Sewer By Laws/Regulations of the Region of Queens Municipality and the Canadian Plumbing Code. When the connection is made I will notify the Region for their inspection and approval.

Date _____
 Signature of Applicant _____

Permission is hereby granted to connect to the sewer as outlined above.

Date _____
 Region of Queens Municipality _____

Receipt No. _____ Date _____ Initials _____

CENTRELINE OF HIGHWAY

Civic No. _____

NOTES OR COMMENTS:

SHOULD BE RETURNED WITH APPLICATION FOR PERMIT

SCHEDULE "C"

WASTE SURVEY REPORT
REGION OF QUEENS MUNICIPALITY

SECTION 1 - General Information

(a) Name of Person Submitting Report: _____
(Name)

(Company Name, Corporation, Owner) (Telephone Number)

(Postal Address) (Postal Code)

(b) Company Officer responsible for effluent control:

(Name) (Telephone
Number)

(c) Location of Premises:

(Name, Street or Road, Municipality)

THE INFORMATION CONTAINED IN THIS REPORT IS TRUE, COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

(Authorized Representative)

(Title) (Date)

SECTION 2 - Product or Service Information

(a) Canadian or Standard Industrial Classification Codes (SIC):

These are [] Canadian SICs or [] SICs.

(b) Brief description of manufacturing or service activities:

(c) Principal products produced or services rendered:

(d) Number of employees:

Plant: _____ Office: _____

(e) Number of shifts per day: _____ Number of days per week: _____

(f) Are major processes:

batch continuous both

If batch, average number of batches per 24 hour day: _____

SECTION 2 - Product or Service Information (continued)

(g) Is the production subject to seasonal variation:

yes no

If yes, briefly describe seasonal production cycle:

(h) Is there a special clean-up period: yes no

If yes, briefly describe clean-up period activities:

SECTION 3 - Water Characteristics

(a) List all sources of water supply: _____

(b) Type of water discharged (check all that apply):

<u>TYPE</u>	<u>AVERAGE FLOW/DAY (cubic meters/day)</u>	
<input type="checkbox"/> sanitary	_____	<input type="checkbox"/> estimated <input type="checkbox"/> measured
<input type="checkbox"/> noncontact cooling	_____	<input type="checkbox"/> estimated <input type="checkbox"/> measured
<input type="checkbox"/> contact cooling	_____	<input type="checkbox"/> estimated <input type="checkbox"/> measured
<input type="checkbox"/> process	_____	<input type="checkbox"/> estimated <input type="checkbox"/> measured
<input type="checkbox"/> other	_____	<input type="checkbox"/> estimated <input type="checkbox"/> measured

(c) Wastes are discharged to (check all that apply):

<u>TYPE</u>	<u>AVERAGE FLOW/DAY (cubic meters/day)</u>	
<input type="checkbox"/> sanitary #1	_____	<input type="checkbox"/> estimated <input type="checkbox"/> measured
<input type="checkbox"/> sanitary #2	_____	<input type="checkbox"/> estimated <input type="checkbox"/> measured
<input type="checkbox"/> storm water #1	_____	<input type="checkbox"/> estimated <input type="checkbox"/> measured
<input type="checkbox"/> storm water #2	_____	<input type="checkbox"/> estimated <input type="checkbox"/> measured
<input type="checkbox"/> groundwater	_____	<input type="checkbox"/> estimated <input type="checkbox"/> measured
<input type="checkbox"/> surface water	_____	<input type="checkbox"/> estimated <input type="checkbox"/> measured
<input type="checkbox"/> evaporation	_____	<input type="checkbox"/> estimated <input type="checkbox"/> measured

(attach additional list as necessary)

(d) Expected characteristics of wastes discharged to sanitary and storm sewers (complete Pollutant Information Sheets for the discharge of each sewer).

SECTION 4 - Physical Lay-Out

Layout sketch of property (to scale or appropriate) to coordinate buildings, pretreatment works, property boundaries, effluent lines, and sanitary and storm water connections. Number sewer so that they can be related to Pollutant Information Sheets.

SECTION 5 - Pretreatment

Pretreatment devices or processes used for treating wastes or sludges before discharge to the sanitary sewer system (check as many as appropriate):

- Air flotation
- Centrifuge
- Chemical precipitation
- Chlorination
- Cyclone
- Filtration
- Flow equalization
- Grease or oil separation, type _____
- Grease trap
- Grit removal
- Ion exchange
- Neutralization, pH correction
- Ozonation
- Reverse osmosis
- Screening
- Sedimentation
- Septic tank
- Solvent separation
- Spill protection
- Sump
- Biological treatment, type _____
- Rainwater diversion or storage _____
- Other chemical treatment, type _____
- Other physical treatment, type _____
- Other, type _____
- No pretreatment provided

SECTION 6 - Pollutant Information Sheet (Controlled Matter)

Information for: sanitary sewer storm water
Sewer Number: _____

Indicate by placing an 'x' in the appropriate box for each listed parameter whether it is "suspected to be absent", "known to be absent", "suspected to be present", or "known to be present" and the known or expected concentration in milligrams per litre.

<u>PARAMETER</u>	<u>KNOWN PRESENT</u>	<u>SUSPECTED PRESENT</u>	<u>KNOWN ABSENT</u>	<u>SUSPECTED ABSENT</u>	<u>CONCENTRATION</u> <u>Mg/litre</u>
1) Chlorides	[]	[]	[]	[]	
2) Sulphates	[]	[]	[]	[]	
3) Aluminium	[]	[]	[]	[]	
4) Iron	[]	[]	[]	[]	
5) Fluoride	[]	[]	[]	[]	
6) Phosphorus	[]	[]	[]	[]	
7) Antimony	[]	[]	[]	[]	
8) Bismuth	[]	[]	[]	[]	
9) Chromium	[]	[]	[]	[]	
10) Cobalt	[]	[]	[]	[]	
11) Lead	[]	[]	[]	[]	
12) Manganese	[]	[]	[]	[]	
13) Molybdenum	[]	[]	[]	[]	
14) Selenium	[]	[]	[]	[]	
15) Silver	[]	[]	[]	[]	
16) Tin	[]	[]	[]	[]	
17) Titanium	[]	[]	[]	[]	
18) Vanadium	[]	[]	[]	[]	
19) Copper	[]	[]	[]	[]	
20) Cyanide	[]	[]	[]	[]	
21) Nickel	[]	[]	[]	[]	
22) Zinc	[]	[]	[]	[]	
23) Arsenic	[]	[]	[]	[]	
24) Cadmium	[]	[]	[]	[]	
25) Phenolic compound	[]	[]	[]	[]	
26) Mercury	[]	[]	[]	[]	
27) BOD	[]	[]	[]	[]	
28) TSS	[]	[]	[]	[]	
29) COD	[]	[]	[]	[]	
30) Oil & Grease (Animal & vegetable)	[]	[]	[]	[]	
31) Oil & Grease (Mineral/syn.)	[]	[]	[]	[]	
32) Kjeldani nitrogen	[]	[]	[]	[]	

SECTION 7 - Pollutant Information Sheet (No Discharge)

Information for: [] sanitary sewer number _____

Indicate by placing an "x" in the appropriate box for each listed parameter whether it is "suspected to be absent", "known to be absent", "suspected to be present" or "known to be present" and the known or expected quantity in kg/month.

<u>PARAMETER</u>	<u>KNOWN PRESENT</u>	<u>SUSPECTED PRESENT</u>	<u>KNOWN ABSENT</u>	<u>SUSPECTED ABSENT</u>	<u>CONCENTRATION</u> <u>Mg/litre</u>
33) Pesticides	[]	[]	[]	[]	_____
34) Acute hazardous waste chemicals	[]	[]	[]	[]	_____
35) Fuels	[]	[]	[]	[]	_____
36) Hazardous industrial wastes	[]	[]	[]	[]	_____
37) Hazardous waste chemicals	[]	[]	[]	[]	_____
38) Ignitable wastes	[]	[]	[]	[]	_____
39) Pathological wastes	[]	[]	[]	[]	_____
40) PCB wastes	[]	[]	[]	[]	_____
41) Reactive wastes	[]	[]	[]	[]	_____
42) Severely toxic wastes	[]	[]	[]	[]	_____
43) Waste radioactive materials	[]	[]	[]	[]	_____

SCHEDULE "D"

LETTER OF COMPLIANCE PROGRAM

Region of Queens Municipality
P.O. Box 1264, Liverpool, NS
B0T 1K0

Address: _____ Date: _____

Attention of: _____

COMPLIANCE PROGRAM NUMBER: _____

In accordance with the provision of Section _____ of _____
Bylaw _____, you are hereby granted a compliance program for the
attached program identified in Appendix 1 subject to the following conditions:

- 1) During the period covered by this compliance program only, the quality of the

_____ (sewage, uncontaminated water, or storm water) discharge by your Company from
the said premises to the _____
(sanitary, combined or storm) sewer system or land drainage works may exceed the
limits set in the Sewer Bylaw with respect to the following limits at any time:

	<u>Parameter</u>	<u>Limit (mg/litre)</u>
a)	_____	_____
b)	_____	_____
c)	_____	_____
d)	_____	_____
e)	_____	_____
f)	_____	_____

- 2) The discharge _____ (sewage,
uncontaminated water or storm water) by your Company from the said premises
containing the parameters listed in Item 1 in excess of the limits listed in Item 1
shall constitute a contravention of the said Bylaw.

- 3) The compliance program may be terminated at any time on thirty (30) days written
notice sent by registered mail addressed to the Company at the said premises, if:

- (a) The sewer is causing a health or safety hazard to a sewage works employee;
or

- (b) The sewage is causing damage to the sewers, materially increasing their maintenance costs or causing a dangerous condition; or
 - (c) The sewage is causing damage to the sewage treatment process or causing a dangerous condition in the treatment works; or
 - (d) The sewage is causing the sludge from the sewage works to fail to meet the criteria relating to contaminants for spreading the sludge on agricultural lands under Nova Scotia's guidelines for sewage sludge utilization on agricultural lands; or
 - (e) The sewage is causing the sewage works effluent to contravene any requirements by or under the Water Act or the Environment Protection Act; or
 - (f) The sewage is causing a hazard to any person, animal, property, or vegetation; or
 - (g) The sewage is contrary to the Sewer Bylaw in any way other than as provided herein.
4. The compliance program may be terminated at any time where there is an emergency situation of immediate threat or danger to any program, property, plant or animal life, or waters.
5. This compliance program shall remain in force until _____ timetable is adhered to:

COMPLIANCE PROGRAM ACTIVITIES	SCHEDULED COMENCEMENT DATE	SCHEDULED COMPLETION DATE
a) Select Engineer	_____	_____
b) Engineering Investigation of Plant Conditions (Industrial Process Review & Wastewater Characterization)	_____	_____
b) Select Treatment Process & Design Criteria (Treatability Studies)	_____	_____
c) Detailed Design of Treatment System (Design and Specifications)	_____	_____
e) Preparation of Operations Manual	_____	_____
f) Select Contractor for Installation/ Construction	_____	_____
b) Commence Construction	_____	_____
(i) Site Preparation (survey, excavation, etc.)	_____	_____

- (ii) Foundation Work & Underground Utilities (slabs, sewer, etc.) _____
- (iii) Structural Work (buildings, etc.) _____
- (iv) Mechanical Work (control panels, etc.) _____
- (v) Electrical Work (control panels, etc.) _____
- (vi) Site Finish Work (fences, cleanup, etc.) _____
- h) Pretreatment System Start Up _____

6. You must, however, take all necessary steps to ensure that all other conditions and parameters listed in the Bylaw are not exceeded, as there are no other exemptions.
7. You must acknowledge your acceptance of this compliance program by returning a signed copy of this letter of compliance program within thirty (30) days of your receipt of the letter.

Municipal Officer

Operating Authority of STP

Signed and Accepted By:

Authorized Representative

Company Name

Schedule "E"

SEWER FEES for COMMUNITY FACILITIES

Milton Community Hall

Milton Blacksmith Shop

Milton Canoe and Camera Club

Prince of Wales Lodge 29

North Queens Heritage House

Mechanics Lodge #78 AF & AM

North Queens Medical Centre

Zetland Lodge #9

Strathcona Lodge #90 IOOF

Lions Hall

Hank Snow Museum

Astor Theatre

Queens Memorial Arena

Liverpool Curling Club