

## **UTILITIES - SERVICES**

### **Chapter 1047**

## **SEWAGE - DISCHARGE**

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## Article 1 INTERPRETATION

### 1047.1.1 Acute hazardous waste chemical - defined

"acute hazardous waste chemical" means a material which is an acute hazardous waste chemical within the meaning of Ontario Regulation 347 (R.R.O. 1990) made under the *Environmental Protection Act (Ontario)*.

### 1047.1.2 Authorized representative of the owner or operator - defined

"authorized representative of the owner or operator" - means

- (i) a principal executive officer of at least the level of vice president, if the owner or operator is a corporation; or
- (ii) a general partner or proprietor if the owner or operator is a partnership or proprietorship, respectively; or
- (iii) a duly authorized representative of the individual designated above if such representative is responsible for the overall operation of the facilities from which the sewage discharge originates.

### 1047.1.3 Biochemical oxygen demand - defined

"biochemical oxygen demand" means carbonaceous oxygen demand (biochemical) as determined by Method 5210 in Standard Methods when an inhibiting chemical has been added to prevent ammonia oxidation.

### 1047.1.4 Biomedical waste - defined

Biomedical waste is defined in the Ontario Ministry of the Environment Guideline C-4 entitled "The Management of Biomedical Waste in Ontario", as amended from time to time.

### 1047.1.5 Biosolids - defined

Biosolids are a nutrient-rich organic byproduct of the wastewater treatment process. They are formed from stabilized municipal sludge and are suitable for beneficial recycling.

### 1047.1.6 Blowdown - defined

"blowdown" means the discharge of recirculating non-contact cooling water.

### 1047.1.7 City - defined

"City" means The Corporation of the City of Orillia and includes its employees, servants and agents.

### 1047.1.8 Composite sample - defined

"composite sample" means a volume of sewage, stormwater, uncontaminated water, effluent or other liquid made up of three or more grab samples that have been combined

automatically or manually and taken at intervals during the sampling period.

**1047.1.9 Connection - defined**

"connection" means that part or those parts of any drain or system of drains leading directly to a sewage works.

**1047.1.10 Deleterious Substance - defined**

"deleterious substance" means a substance which would be constituted as a deleterious substance under the *Fisheries Act (R.S.C., 1985, c. F-14)*.

**1047.1.11 Dental Amalgam - defined**

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

**1047.1.12 Director - defined**

"director" means the Director of Environmental Services and Operations, City of Orillia or a duly authorized representative.

**1047.1.13 Fuels - defined**

"fuels" includes

- (i) any ignitable liquid intended for use as a fuel with a flash point less than 61°C Celsius as determined by one of the methods in Ontario Regulation 347 (R.R.O. 1990) made under the *Environmental Protection Act (Ontario)* ("ignitable waste" (a)) and
- (ii) gasoline, naphtha, diesel fuel or fuel oil.

**1047.1.14 Garbage grinder - defined**

"garbage grinder" means any device used for the grinding or shredding of the wastes from the preparation, cooking and dispensing of food and from the handling, storage and sale of produce.

**1047.1.15 Grab sample - defined**

"grab sample" means a volume of sewage, stormwater, uncontaminated water, effluent or other liquid of at least 100 millimetres which is collected over a period not exceeding fifteen minutes.

**1047.1.16 Hauled sewage - defined**

"hauled sewage" means waste removed from a cesspool, a septic tank system, a privy vault or privy pit, a chemical toilet, a portable toilet, a sewage holding tank or any other sewage system of a type regulated under Part VIII of the *Environmental Protection Act R.S.O. 1990 c.E.19*.

**1047.1.17 Hauled waste-defined**

"hauled waste means" any industrial waste which is transported to and deposited into

any location in the sewage works, excluding hauled sewage.

**1047.1.18 Hazardous industrial waste - defined**

"hazardous industrial waste" means a material which is a hazardous industrial waste within the meaning of Ontario Regulation 347, (R.R.O. 1990) made under the *Environmental Protection Act (Ontario)*.

**1047.1.19 Hazardous waste chemical - defined**

"hazardous waste chemical" means a material which is a hazardous waste chemical within the meaning of Ontario Regulation 347, (R.R.O. 1990) made under the *Environmental Protection Act (Ontario)*.

**1047.1.20 Ignitable waste - defined**

"ignitable waste" means a material which is an ignitable waste within the meaning of Ontario Regulation 347 (R.R.O. 1990) made under the *Environmental Protection Act (Ontario)*.

**1047.1.21 Industrial - defined**

"industrial" means of or pertaining to industry, manufacturing, commerce, trade, business, or institutions as distinguished from domestic or residential.

**1047.1.22 Industrial process area - defined**

"industrial process area" means any industrial building, property or land area which during manufacturing, processing or storage comes into direct contact with any raw material, intermediate product, finished product, byproduct, or waste product.

**1047.1.23 Inspector - defined**

"inspector" means a person authorized by the City of Orillia to carry out observations and inspections and to take samples as prescribed by this Chapter.

**1047.1.24 Interceptor - defined**

"interceptor" means a receptacle that is designed and installed to prevent oil, grease, sediment or other materials from passing into a drainage system.

**1047.1.25 Kjeldahl nitrogen - defined**

"Kjeldahl Nitrogen" means sum of organic nitrogen and ammonia nitrogen as determined in Standard Methods.

**1047.1.26 Land drainage works - defined**

"land drainage works" means works of any sort for the drainage of land in the City including drainage channels for receiving water in its natural flow on or from any hills or other lands, and works diverting or damming the same to prevent its overflow on to any other lands at a lower level, as well as drainage channels carrying off water from any land.



**1047.1.27 Matter - defined**

"matter" includes any solid, liquid or gas.

**1047.1.28 Non-contact cooling water - defined**

"non-contact cooling water" means water which is used to reduce temperature for the purpose of cooling and which does not come into direct contact with any raw material, intermediate product other than heat, or finished product.

**1047.1.29 Once-through cooling water - defined**

"once-through cooling water" means non-contact cooling water that has been circulated once through the cooling device.

**1047.1.30 Owner or Operator - defined**

"owner" or "operator" means the owner or operator of any facility or activity subject to the provisions of this Chapter.

**1047.1.31 PCB - defined**

"PCB" means any monochlorinated or poly-chlorinated biphenyl or any mixture of these or mixture that contains one or more of them.

**1047.1.32 Person - defined**

"person" includes an individual, association, partnership, corporation, municipality, Provincial or Federal agency, or an agent or employee thereof.

**1047.1.33 Pesticides - defined**

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

**1047.1.34 pH - defined**

"pH" means the logarithm to the base 10 of the reciprocal of the concentration of hydrogen ions in moles per litre of solution.

**1047.1.35 Phenolic compounds - defined**

"phenolic compounds" means those derivatives of aromatic hydrocarbons which have a hydroxyl group directly attached to the ring.

**1047.1.36 Phosphorus - defined**

"phosphorus" means total phosphorus as determined in Standard Methods.

**1047.1.37 Pollution Prevention Plan - defined**

"Pollution Prevention Plan" means a five (5) year plan to be implemented within the five (5) year period that identifies the use of processes, practices, materials and energy by an owner or operator of commercial, institutional or industrial premises to avoid or minimize the creation of pollutants and waste.

**1047.1.38 Reactive waste - defined**

"reactive waste" means a material which is a reactive waste within the meaning of

Ontario Regulation 347(R.R.O. 1990) made under the *Environmental Protection Act (Ontario)*.

**1047.1.39 Sanitary Sewer - defined**

"sanitary sewer" means a sewer for the collection and transmission of domestic, commercial, institutional and industrial sewage or any combination thereof.

**1047.1.40 Severely toxic material - defined**

"severely toxic material" means any material listed in Schedule 3 of Ontario Regulation 347(R.R.O. 1990) made under the *Environmental Protection Act (Ontario)*.

**1047.1.41 Sewage - defined**

"sewage" means any liquid waste (including the waste and wastewater produced by residential and commercial sources) containing animal, vegetable, mineral or chemical matter in solution or in suspension, except uncontaminated water.

**1047.1.42 Sewage works - defined**

"sewage works" (wastewater system) means any works for the collection, transmission, treatment or disposal of sewage or any part of such works.

**1047.1.43 Sewer - defined**

"sewer" means a pipe, conduit, drain, open channel, ditch or watercourse for the collection and transmission of sewage or stormwater.

**1047.1.44 Standard Methods - defined**

"Standard Methods" means a procedure set out in Standard Methods for the Examination of Water and Wastewater published jointly by the American Public Health Association, American Water Works Association and Water Environment Federation, current at the date of testing, or a procedure published by the Ontario Ministry of the Environment as a standard method or the equivalent of a standard method.

**1047.1.45 Storm Sewer - defined**

"storm sewer" means a sewer for the collection and transmission of uncontaminated water, stormwater, drainage from land or from a watercourse or any combination thereof.

**1047.1.46 Stormwater - defined**

"stormwater" means water from rainfall or other natural precipitation or from the melting of snow or ice.

**1047.1.47 Suspended Solids - defined**

"suspended solids" means solid matter in or on a liquid which matter is removable by filtering and dried at 103-105 Celsius as determined by Method 2540 in Standard Methods.

**1047.1.48 Total Residual Chlorine - defined**

"Total Residual Chlorine" means the total of free available residual chlorine and combined residual chlorine.

**1047.1.49 Uncontaminated Water - defined**

"uncontaminated water" means any water including water from a public water works, to which no matter has been added as a consequence of its use or to modify its use, by any person.

**1047.1.50 Waste disposal site leachate - defined**

"waste disposal site leachate" means leachate from any waste disposal site.

**1047.1.51 Waste radioactive materials - defined**

"waste radioactive materials" means any waste material exhibiting the property of spontaneous disintegration of atomic nuclei usually with the emission of penetrating radiation or particles.

**1047.1.52 Wastewater System - defined**

"wastewater system" (sewage works) means any works for the collection, transmission, treatment or disposal of sewage, or any part of such works.

**1047.1.53 Watercourse - defined**

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

**Article 2****DISCHARGES TO SANITARY SEWERS****1047.2.1 Discharges - prohibited**

No person shall discharge directly or indirectly or deposit or cause or permit the discharge or deposit of sewage into a sanitary sewer or in land drainage works, private branch drains or connection to any sanitary sewer in circumstances where, to do so may cause or result in:

- (a) A health or safety hazard to a sewage works employee or which may be or may become harmful to a sewage works or which may cause the sewage works effluent to contravene any requirement by or under the *Ontario Water Resources Act* or the *Environmental Protection Act (Ontario)*.
- (b) Biosolids from sewage works fail to meet the objectives and criteria listed in the Ministry of the Environment publication entitled "Guidelines for the utilization of Biosolids and Other Wastes on Agricultural Land" as amended from time to time unless the person has been advised in writing by the municipality that the biosolids from the sewage treatment works will never be used on agricultural lands or which may interfere with the proper

operation of a sewage works.

- (c) Interference with any sewage treatment process.
- (d) Damage to sewage works.
- (e) A hazard to any person, animal, property or vegetation.

**1047.2.1 (i)**

The sewage has one or more of the following:

- (a) Solid or viscous substances in quantities or of such size as to be capable of causing obstruction to the flow in a sewer, including but not limited to ashes, bones, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, paper towels, plastics, wood, animal whole blood, guts or tissues, paunch and manure.
- (b) Sewage that may cause an offensive odour to emanate from a sewage works and without limiting the generality of the foregoing, sewage containing hydrogen sulphide, carbon disulphide, other reduced sulphur compounds, amines or ammonia in such quantity as may cause an offensive odour.
- (c) Water from drainage of roofs or land, water from a watercourse or uncontaminated water from such sources as cooling or condensing systems.
- (d) Water that has originated from a source separate from the water distribution system of the municipality.
- (e) Sewage or uncontaminated water at a temperature greater than 65 degrees Celsius.
- (f) Sewage having a pH less than 5.5 or greater than 9.5.
- (g) Sewage containing more than 15 milligrams per litre of oil and grease of mineral or synthetic origin.
- (h) Sewage containing more than 150 milligrams per litre of oil and grease of animal or vegetable origin.
- (i) Sewage in which the biochemical oxygen demand exceeds 300 milligrams per litre.
- (j) Sewage containing more than 350 milligrams per litre of suspended solids.

- (k) Sewage containing more than 10 milligrams per litre of phosphorus.
- (l) Sewage containing more than 100 milligrams per litre of Kjeldahl nitrogen.
- (m) Sewage containing more than 1 milligram per litre of phenolic compounds.
- (n) Sewage which consists of two or more separate liquid layers.
- (o) Sewage containing dyes or colouring materials which pass through a sewage works and discolour the sewage works effluent.
- (p) Sewage or uncontaminated water containing more than 0.5 milligrams per litre of total residual chlorine.
- (q) Sewage containing any of the following in excess of the indicated concentrations:

<b>Parameter</b>	<b>Limit (mg/L)</b>
Aluminum	50
Antimony	5
Arsenic	1
Bismuth	5
Cadmium	1
Chlorides	1500
Chromium	2
Cobalt	5
Copper	2
Cyanide	2
Fluoride	10
Iron	50
Lead	1
Manganese	5
Mercury	0.05
Molybdenum	5
Nickel	3
Selenium	1
Silver	5
Sulphates (SO <sub>4</sub> )	1500
Zinc	2

**Organic Contaminants**

<b>Parameter</b>	<b>Limit (mg/L)</b>
Benezene	0.01
Chloroform	0.04
1,2-dichlorobenzene	0.05
1, 4-dichlorobenzene	0.08
Ethyl benzene	0.16
Methylene chloride	2
1,1,2,2,-tetrachloroethane	1.4
Tetrachloroethlyne	1
Toluene	0.08
Trichloroethylene	0.4
Xylenes (total)	1.4
Nonylphenols	0.02
Polyaromatic Hydrocarbons PAH	0.005

- (r) The following materials or sewage containing any of the following in any amount:
- (i) Fuels.
  - (ii) PCB's, except where:
    - (a) the person has an Environmental Compliance Approval from the Ministry of the Environment, Conservation and Parks which expressly allows the discharge, or written approval from the Director of the Ontario Ministry of the Environment, Conservation and Parks which expressly authorizes the discharge.
    - (b) the owner or operator has written approval from the municipality which expressly authorizes the discharge from the premises.
    - (c) the discharge contains a concentration of less than 5 micrograms per litre of PCB's.
    - (d) a copy of the Environmental Compliance Approval or written authorization has been provided to the municipality.
  - (iii) Pesticide/Herbicides.
  - (iv) Severely toxic materials.
  - (v) Waste radioactive materials prescribed substances, except where:

- (a) The waste radioactive prescribed substances are being discharged under a current licence issued by the Atomic Energy Control Board and a copy of the licence has been provided to the municipality.
- (vi) Waste disposal leachate except where:
  - (a) The person has prior written approval from the municipality which expressly authorizes the discharge or deposit of the waste disposal site leachate to the sewage works.
- (vii) Hauled sewage, except where:
  - (a) The carrier of the hauled sewage operating as a waste management system has a current Environmental Compliance Approval issued under the *Environmental Protection Act* or exempt from the requirement to have a certificate.
  - (b) The carrier has successfully registered with the City for the discharge of hauled sewage and the City has authorized the carrier's access to the sewage works for this purpose;
  - (c) The carrier complies with all terms, conditions and procedures for a discharge in the approvals referenced in (a) and (b) above and in any policies or programs that may be set by the City from time to time in respect of hauled sewage.
- (viii) Hauled waste, except where:
  - (a) The carrier of the hauled waste operating as a Waste Management System has an Environmental Compliance Approval issued under the *Environmental Protection Act* or is exempt from the requirements to have a certificate.
  - (b) A copy of the most recent certificate or provisional certificate and any amendment of approval is provided to the municipality.
  - (c) The carrier meets all conditions for discharge with respect to the haulage of waste to the municipality.

- (ix) Biomedical waste, except where:
  - (a) The biomedical waste has been discharged in accordance with the Ontario Ministry of the Environment Guideline C-4 entitled "The Management of Biomedical Waste in Ontario dated April 1994", as amended.
  - (b) Any human blood and body fluid known to contain viruses and agents in listed "Risk Group 4" as defined in "Laboratory Biosafety Guidelines" published by Health and Welfare Canada dated 1996, as amended, are decontaminated prior to discharge.
- (x) The discharge of water originating from a source other than the City water supply, including storm water or groundwater, directly or indirectly to a sanitary sewer is prohibited unless:
  - (a) Water taken in an amount greater than 50,000 litres per day from a separate source when the owner or operator of the premises has a Permit To Take Water issued by the Ontario Ministry of the Environment, Conservation and Parks and a copy of such permit has been provided to the municipality, or
  - (b) Water taken in an amount less than 50,000 litres per day from a separate source when the owner or operator of the premises has provided the municipality with the following information:
    - a) address of premises where the water is being used;
    - b) location of the water source; and
    - c) amount of water being taken provided that the discharge to the sanitary sewer shall be subject to any agreement with the municipality as specified in this Chapter.
- (xi) Acute hazardous waste chemicals.
- (xii) Hazardous industrial wastes.
- (xiii) Ignitable wastes.
- (xiv) Hazardous Waste Chemicals.
- (xv) Reactive wastes.



**1047.2.2 Dilution - prohibited**

No person shall discharge directly or indirectly or deposit or cause or permit the discharge or deposit of sewage into a sanitary sewer, storm sewer, municipal or private sewer connection to any sanitary sewer, or storm sewer in circumstances where water has been added to the discharge for the purposes of dilution to achieve compliance with 1047.2.1 of this article.

**1047.2.3 Use of Sanitary Sewers**

- (i) Where existing residential, industrial, commercial or institutional facilities are on a public street with municipal sewer, the said facility shall be required to connect to the municipal sewer at the owner's expense within one year of notification by the City to do so.
- (ii) All new residential, commercial or institutional facilities will be required to connect to the municipal sewer at owner's expense unless there is an exemption provided in the Official Plan, or the implementing Zoning By-law.
- (iii) Any existing or new industrial, commercial or institutional facility either with water consumption in excess of 50 cubic metres per day or believed to be discharging in excess of 50 cubic metres per day of wastewater and connected to the municipal sewer, may be required to install, calibrate and properly maintain a flow measuring device on the lateral sewer within the property line at the owner's expense within six months of notification by the City to do so. Failure to comply with this requirement will result in the City invoicing the owner for sewage flow from the premises at three times the water consumption for the applicable billing period, multiplied by the sewer use rate per cubic metre as set out in Schedule 'A' of Municipal Code Chapter 459.
- (iv) In all other cases, the City shall invoice the owner for the sewage flow from the premises at 100% of the water meter usage in accordance with the City's bi-monthly commercial water meter reading program multiplied by the sewer use rate per cubic metre as set out in Schedule 'A' of Municipal Code Chapter 459.

**1047.2.4 Garbage Grinders****(i) Garbage Grinders - prohibited**

No person shall install any garbage-grinding device for residential, industrial, commercial or institutional purposes, the effluent from which will discharge directly or indirectly into the sewage works.

**(ii) Garbage Grinders Replacement - prohibited**

No person shall replace any existing garbage grinding devices for residential, industrial, commercial or institutional purposes installed prior to the passage of this by-law.

(iii) **Garbage Grinders - non-conforming**

Garbage grinding devices installed prior to the passing of this by-law for residential, industrial, commercial or institutional purposes, the effluent from which will discharge directly or indirectly into the sewage works can remain in operation under the following conditions:

- (a) The quantity of waste processed/produced does not have an adverse effect on the sewage works;
- (b) In the event that accumulations of solid wastes are detected in a sewer and such accumulations are being caused by the operation of a garbage grinding device:
  1. The sewer shall be cleaned at the expense of the owner of the establishment or residence operating the garbage grinder;
  2. The owner of the garbage grinder shall be required to make such improvements to the operation or maintenance of the garbage grinder as the Director deems necessary in order to prevent further accumulations; and
  3. The owner of the garbage grinder may be required by the Director to discontinue the use of the garbage grinder.

**Article 3**  
**DISCHARGES TO STORM SEWERS**

**1047.3.1 Discharges - prohibited**

No person shall discharge directly or indirectly or deposit or cause or permit the discharge or deposit of matter of a kind listed below into or in land drainage works, private branch drains or connections to any storm sewer.

**1047.3.1(i)** Matter of any type or at any temperature or in any quantity which may:

- (a) damage a storm sewer;
- (b) interfere with the proper operation of storm sewer;
- (c) obstruct a storm sewer or the flow therein;
- (d) result in a hazard to any person, animal, property or vegetation;
- (e) impair the quality of any waters; or

- (f) result in the contravention of an approval, requirement, direction or other order under the *Ontario Water Resources Act*, *Clean Water Act (Ontario)* or the *Environmental Protection Act (Ontario)*, *Endangered Species Act (Ontario)*, *Lakes and Rivers Improvement Act (Ontario)*, *Public Lands Act (Ontario)*, *Conservation Authorities Act (Ontario)*, *Navigable Water Protection Act (Canada)*, *Canadian Environmental Protection Act*, *Fisheries Act (Canada)*, *Species At Risk Act (Canada)*, with respect to the storm sewer or its discharge; and

**1047.3.1(ii)** Without limiting the generality of the foregoing, any of the following:

- (a) water at a temperature greater than 40 degrees Celsius or any temperature that is considered as critical by the Director;
- (b) water having a pH less than 6.0 or greater than 9.0;
- (c) water in which the biochemical oxygen demand exceed 15 milligrams per litre;
- (d) water containing more than 15 milligrams per litre of suspended solids;
- (e) water containing dyes or colouring material which would require a dilution in excess of four parts of distilled water to one part of such water to produce a mixture the colour of which is not distinguishable from that of distilled water;
- (f) water containing oil and grease of animal or vegetable origin or of mineral or synthetic origin which causes a visible film, sheen or discolouration on the water surface;
- (g) water containing more than 0.5 mg/L of total residual chlorine;
- (h) water containing any of the following in excess of the indicated concentrations:

Parameter	Limit (ug/L)
Arsenic	200
Cadmium	1
Chromium	200
Copper	10
Cyanide (total)	1
Lead	50
Manganese	50
Mercury	0.5
Nickel	50

Phosphorus (total)	400
Silver	120
Zinc	50
E.coli colonies	200 per 100 millilitres

(i) The following matter in any amount:

- (1) Acute hazardous waste chemicals
- (2) Automotive or machine oil and/or greases
- (3) Blowdown water
- (4) Combustible waste
- (5) Floating debris
- (6) Fuels
- (7) Hauled sewage
- (8) Hauled waste
- (9) Hazardous industrial waste
- (10) Hazardous waste chemicals
- (11) Once-through cooling water
- (12) Paints and/or organic solvents
- (13) PCB's
- (14) Pesticides/herbicides
- (15) Reactive waste
- (16) Severely toxic materials
- (17) Sewage
- (18) Waste disposal site leachate
- (19) Waste radioactive materials

(j) No person shall discharge, spray, release, spill, leak, seep, pour, emit, empty, throw, dump or place, or permit the discharge, spray, release, spill, leak, seep, pour, emit, empty, throw, dump or place a deleterious substance of any type.

### 1047.3.2 Discharge Agreement - cooling water - exemption

Subsection 1047.3.1(ii) (h) does not apply to prevent the discharge of once-through cooling water or blowdown when:

- (a) the once-through cooling water or blowdown is being discharged pursuant to an Environmental Compliance Approval or order relating to the premises under the *Environment Protection Act (Ontario)* or the *Ontario Water Resources Act* which expressly allows the discharge;
- (b) the owner or operator of the premises has written approval from the municipality which expressly authorizes the discharge from the premises, and
- (c) a copy of the Environmental Compliance Approval or order referred to in

Subsection 1047.3.2(a) has been provided to the municipality.

### **1047.3.3 Discharge Agreement - exemptions**

The provisions of Subsections 1047.3.1(ii) (c), (d), (e), (f), and (g) do not apply to prevent the discharge of stormwater runoff from industrial process areas to a storm sewer when:

- (a) the owner or operator of the premises has an Environmental Compliance Approval or order relating to the premises under the *Environmental Protection Act (Ontario)* or the *Ontario Water Resources Act* which expressly allows the discharge and a copy of the Environmental Compliance Approval or order has been provided to the municipality; or
- (b) the owner or operator of the premises has written approval from the Municipality.

## **Article 4 WASTE SURVEY REPORTS**

### **1047.4.1 Discharge or Deposit of Sewage - prohibited**

The owner or operator of any industrial premises shall not discharge or deposit or cause or permit the discharge or deposit of sewage into or in land drainage works, private branch drains or connections to any sanitary sewer or storm sewer.

### **1047.4.2 Exemption - Waste Survey Report**

Section 1047.4.1 does not apply with respect to any industrial premises for which a current Waste Survey Report prepared in accordance with Sections 1047.4.3, 1047.4.4, 1047.4.5 and 1047.4.6 has been filed at the municipality.

### **1047.4.3 Waste Survey Report - Contents**

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 concentration, hours of operations, and Standard Industrial Classification codes (SIC);
- (c) a schematic process diagram indicating waste discharge points and waste descriptions;
- (d) the generator registration number, if any, assigned with respect to the premises under Ontario Regulation 347(R.R.O. 1990) made under the *Environmental Protection Act (Ontario)*; and

- (i) the waste class, hazardous waste number, primary and secondary characteristics and analytical data and the name of the laboratory, if any, furnished to the Ontario Ministry of the Environment, Conservation and Parks under Ontario Regulation 347(R.R.O. 1990) made under the *Environmental Protection Act (Ontario)* relating to any material discharged into or in land drainage works, private branch drains or connections to any sanitary, combined or storm sewer.

#### **1047.4.4 Waste Survey Report**

The Waste Survey Report shall be in the form attached as Schedule 'A'.

#### **1047.4.5 1047.4.3 (a) - changes**

Where a change occurs in the information required under Subsection 1047.4.3(a) contained in a Waste Survey Report, the owner or operator of the premises shall submit the new information within 30 days of the change.

#### **1047.4.6 1047.4.3 (b), (c), (d), (e) - changes**

Where a change occurs in any information required under Subsections 1047.4.3 (b), (c), (d), or (e) described in a Waste Survey Report, the owner or operator of the premises shall not discharge or deposit or cause or permit the discharge or deposit of sewage into land drainage works, private branch drains or connections to any sanitary sewer or storm sewer, 60 days after the change occurs unless the new information has been submitted setting out the change.

### **Article 5 AGREEMENTS**

#### **1047.5.1 Sewage - permitted**

Subject to Sections 1047.5.2, 1047.5.3, and 1047.5.4, the discharge or deposits of sewage that would otherwise be prohibited by this Chapter may be permitted into or in any connection to any sanitary sewer to an extent fixed by agreement with the municipality under such conditions with respect to payment of additional sewage service rates or otherwise as may be necessary to compensate for any additional costs of operation repair and maintenance of the sewage works.

#### **1047.5.2 Industrial Waste Surcharge Agreement**

- (a) An Industrial Waste Surcharge Agreement can only be made for the volume of sewage and discharge of the following parameters in sewage: suspended solids, biochemical oxygen demand and phosphorus.
- (b) Negotiated when an industry's discharge to a sanitary sewer exceeds the Sewer Use By-law limit for one or more of three parameters listed under 1047.5.2 (a) that are treatable at the Wastewater Treatment Centre. This agreement allows the City to recover the costs, which will be reviewed and adjusted accordingly from time to time by the City for treating these excess loadings resulting from overstrength wastes.

- (c) Negotiated when an industry is established or expands after January 1, 2009 and its discharge to a sanitary sewer exceeds 100 cubic metres per day. This agreement allows the City to impose a surcharge fee, which will be reviewed and adjusted accordingly from time to time by the City for discharges in excess of 100 cubic metres per day.
- (d) The Director may require a Restrictive Discharge Agreement when restriction of loadings and/or volume into the sewage works is required.
- (e) Such agreements shall be subject to Council approval.
- (f) Failure to comply with this requirement by a specified date will result in the City invoicing the owner for sewage flow from the premises at three times the water consumption multiplied by the sewer use rate per cubic metre for the period starting from the specified date until the agreement is signed by the owner.
- (g) All applicable charges, fees or rates associated with the said agreement will be as provided in Schedule "A" of Municipal Code Chapter 459.

#### **1047.5.3 Sanitary Discharge Agreement**

- (a) A Sanitary Discharge Agreement shall be made for the discharge of sewage which contains water that has originated from a source separate from the municipal water supply system. The agreement will include installation of a flow meter and flow data recorder and also a cost that will be reviewed and adjusted accordingly from time to time by the City for the Discharge Agreement.
- (b) Such agreements shall be subject to the Director's approval.
- (c) All applicable charges, fees or rates associated with said agreement will be as provided in Schedule 'A' of Municipal Code Chapter 459.

#### **1047.5.4 Section 1047.2 exemption**

A person who has entered into an agreement with the municipality further to Section 1047.5.2 or Section 1047.5.3 shall not be prosecuted under Section 1047.2 for the discharge or deposit of sewage containing the matters specified in the agreement and in compliance with the agreement during the period within which the agreement is applicable and so long as the agreement is being fully complied with.

#### **1047.5.5 Termination by City**

- (a) Any agreement contemplated by Section 1047.5. may be terminated by the municipality on 10 days written notice if the discharge of any matter covered by such agreement is causing contravention of Section 1047.2.1.
- (b) The agreement contemplated by Section 1047.5. may be terminated by

the municipality by written notice at any time where there is an emergency situation of immediate threat or danger to any person, property, plant or animal life, or waters.

## **Article 6 COMPLIANCE PROGRAM**

### **1047.6.1 Compliance Program**

A compliance program may be issued as set out in Sections 1047.6.2 to 1047.6.5 for the discharge of a non-complying effluent during the period of planning, design, construction or installation of facilities to eliminate the non-compliance.

### **1047.6.2 Compliance Program - sanitary**

The owner or operator of industrial premises may submit to the Director a program to prevent or to reduce and control the discharge or deposits of matter into or in land drainage works, private branch drains or connections to any sanitary sewer or combined sewer from the premises.

### **1047.6.3 Compliance Program - storm**

The owner or operator of industrial premises may submit to the Director a program to prevent or to reduce and control the discharge or deposit of uncontaminated water or stormwater or eliminate the discharge or deposit of matter into or in land drainage works, private branch drains or connections to any storm sewer from the premises.

### **1047.6.4 Compliance Program - approval**

The Director may issue an approval for a compliance program to the person who submitted the program.

### **1047.6.5 Compliance Program - conditions**

Every compliance program shall be for a specified length of time during which the facilities are to be installed and shall be specific as to the remedial actions to be implemented, the dates of commencement and completion, and the materials or other characteristics of the matter, uncontaminated water or stormwater to which it relates. The final activity completion date shall not be later than the final compliance date in the compliance program.

### **1047.6.6 Compliance Program - form**

The compliance program shall be in the form attached as Schedule 'B' and upon recommendation of the Director, the municipality is authorized to execute such compliance programs under the authority of this Chapter.

### **1047.6.7 Compliance Program - progress**

A person to whom a compliance program has been issued shall submit a compliance program progress report to the municipality within 14 days after the scheduled completion date for each activity listed in the compliance program.



**1047.6.8 Compliance Program - progress form**

The compliance program progress report shall be in the form attached as Schedule C.

**1047.6.9 Compliance Program - exemption**

A person to whom a compliance program has been issued shall not be prosecuted under Section 1047.2 or Section 1047.3 of this Chapter for the discharge or deposit of any matter specified in the compliance program and in compliance with the compliance program during the period within which the compliance program is applicable and so long as the person complies fully with the compliance program.

**1047.6.10 Termination by City**

- (a) Any compliance program contemplated by Section 1047.6 may be terminated by the City on 30 days written notice if the discharge or deposit of matter, uncontaminated water or stormwater covered by such compliance program is causing contravention of Subsections 1047.2.1 and 1047.3.1(i).
- (b) The compliance program contemplated by Section 1047.6 may be terminated by the City by written notice at any time where there is an emergency situation of immediate threat or danger to any person, property, plant or animal life, or waters.

**Article 7  
SAMPLING AND ANALYSIS**

**1047.7.1 Sampling and Analyses - Standard Methods**

When a sample is required for the purpose of determining the characteristics or contents of the sewage, uncontaminated water or stormwater to which reference is made in this Chapter;

- (a) one sample alone is sufficient and, without limiting the generality of the foregoing the sample may be a grab 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 Chapter, all tests, measurements, analyses and examination of sewage, uncontaminated water and stormwater, shall be carried out in accordance with Standard Methods; and
- (c) for each one of the following metals: aluminum, antimony, arsenic, bismuth, cadmium, chromium, cobalt, copper, iron, lead, manganese, mercury, molybdenum, nickel, selenium, silver, and zinc when whose concentration is limited in Subsections 1047.2.1 (i) (q) and 1047.3.1 (ii) (h), the analysis shall be for the quantity of total metal, which includes all metal both dissolved and particulate.

## Article 8 SPILLS

### 1047.8.1 Spills - sanitary sewer - notification

Every person who discharges directly or indirectly or deposits or causes or permits the discharge or deposit of sewage into or in land drainage works, private branch drains or connections to any sanitary sewer shall forthwith notify the municipality if:

- (a) such discharge or deposit is not in the ordinary course of events, or
- (b) such discharge or deposit includes any of the items listed in Subsection 1047.2.1(i).

### 1047.8.2 Spills - storm sewer - notification

Every person who discharges directly or indirectly or deposits or causes or permits the discharge or deposit of uncontaminated water, stormwater or other liquid into or in land drainage works, private branch drains or connections to any storm sewer shall forthwith notify the municipality if:

- (a) such discharge or deposit is not in the ordinary course of events, or
- (b) such discharge or deposit includes any of the items listed in Subsection 1047.3.1(ii).

### 1047.8.3 Spills - responsibilities

For any of the discharges in Sections 1047.8.1, and 1047.8.2, for which the person is required to forthwith notify the municipality, 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 associated hazards; and
- (e) corrective actions being taken to control the spill.

### 1047.8.4 Spill Reports

Within five days following a discharge to which Section 1047.8.3 applies, the person shall submit to the municipality a detailed written report describing the cause of the spill and actions taken or to be taken to prevent a recurrence.

## Article 9 GENERAL

### **1047.9.1 Industrial Responsibilities - inspection access**

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 or other monitoring point approved by the municipality to allow observation and sampling of the sewage, uncontaminated water or stormwater and measurement of the flow of sewage, uncontaminated water or stormwater therein.

### **1047.9.2 Industrial Responsibilities - inspection access location**

The manhole or alternate device shall be located on the property of the owner or operator of the premises, unless the Director has given written approval for a different location.

### **1047.9.3 Industrial Responsibilities - inspection access at all times**

The owner or operator of industrial premises shall at all times ensure that every manhole, device or facility installed as required by Section 1047.9.1 is at all times accessible for purposes of observing and sampling the sewage, uncontaminated water or stormwater and measuring the flow of sewage, uncontaminated water or stormwater therein.

### **1047.9.4 Industrial Responsibilities - monitor and report**

The municipality may require the owner or operator of industrial premises to install and maintain devices to monitor sewage, uncontaminated water or stormwater discharges and to submit regular reports regarding the discharges to the municipality.

### **1047.9.5 Industrial observations/inspections - inspector access**

For the purpose of the administration of this Chapter, an inspector may, for the purpose of carrying out observations and inspections, enter in or upon any land or premises except land or premises being used as a dwelling at any time without a warrant, and may take such tests and samples as are necessary for the purposes of the inspection.

### **1047.9.6 Industrial observations/inspections - inspector access**

No person shall prevent, hinder, obstruct or interfere in any way with the Director, Inspector, Municipal By-law Enforcement Officer or Police Officer bearing proper credentials and identification, from,

- (a) entering in or upon any land or premises, except land or premises being used as a dwelling house, at any reasonable time;
- (b) making such tests or taking such samples as he deems necessary; or
- (c) inspecting or observing any plant, machinery, equipment, work or activity for the purposes of administering or enforcing this Chapter; or

- (d) reviewing documentation and records pertaining to Pollution Control practices.

**1047.9.7 Industrial Responsibilities - protection from damage**

No person shall break, alter, damage, destroy, deface or tamper or cause or permit the breaking, damaging, destroying, defacing or tampering with:

- (a) any part of a sewage works; or
- (b) any permanent or temporary device installed in a sewage works for the purpose of measuring, sampling and testing of sewage, uncontaminated water or stormwater.

**1047.9.8 Industrial Responsibilities - food related grease interceptors**

- (a) Every owner or operator of a restaurant or other premises where food is cooked, processed or prepared, which premises is connected directly or indirectly to a sanitary sewer, shall take all necessary measures to ensure that oil and grease are prevented from entering the sewer.
- (b) The owner of a premise as set out in Section 1047.9.8 shall install and mechanically maintain, at the owner's expense, a grease interceptor in any piping system at its premises that connects directly or indirectly to a sewer. The grease interceptors shall be installed in compliance with the most current requirements of the Ontario Building Code.

**1047.9.9 Industrial Responsibilities - sediment interceptors**

Every owner or operator of a premises from which sediment may directly or indirectly enter a sewer, including but not limited to premises using a ramp drain or area drain and car and vehicle wash establishments, shall take all necessary measures to ensure that such sediment is prevented from entering the drain or sewer.

**1047.9.10 Industrial Responsibilities - dental waste amalgam separators**

Every owner or operator of a premises from which dental amalgam may be discharged, which waste may directly or indirectly enter a sewer, shall install, operate and properly maintain, at the owner's expense dental amalgam separator(s) in any piping system at its premises that connects directly or indirectly into a sewer by not later than January 1, 2011. The device must meet or exceed ISO 11143 standards.

**Article 10****POLLUTION PREVENTION PLANS****1047.10.1 Requirements - General**

The City may require an industrial user to develop a pollution prevention plan for the discharge of any parameter designated by the City where the industrial user has:

- (a) failed to comply with Article 2 - Discharges to Sanitary Sewers;

- (b) failed to comply with Article 3 - Discharges to Storm Sewers;
- (c) failed to comply with a compliance program; or
- (d) been responsible for one or more spills to a sewage or land drainage works.

#### **1047.10.2 Pollution Prevention Plan - Contents**

Pollution Prevention Plans shall comply with any guidelines established by the City.

#### **1047.10.3 Pollution Prevention Plan - Deadline**

The pollution prevention plan shall be completed by the industrial user and available for review by the City at the site of the industrial user within twelve (12) months of notification by the City.

#### **1047.10.4 Pollution Prevention Plan - Penalty**

Failure to comply with this requirement by a specified date will result in the City invoicing the owner for sewage flow from the premises at three times the water consumption multiplied by the sewer use rate per cubic metre for the period starting from the specified date until the Pollution Prevention Plan is developed by the owner.

#### **1047.10.5 Exemption - Pollution Prevention Plan**

The City may exempt an industrial user from developing a Pollution Prevention Plan where the industrial user has in place an ISO 14001 Program which is currently registered by a third party auditor accredited by the Standard Council of Canada or the Registrar Accreditation Board.

### **Article 11 OFFENCES**

#### **1047.11.1 Hinder or Obstruct**

No person shall hinder or obstruct, or attempt to hinder or obstruct, any officer exercising a power or performing a duty under this Chapter, or any person lawfully acting in aid of such an officer. Without limiting the generality of the meaning of “hinder” or “obstruct”, a person shall be deemed to have obstructed or hindered an officer in the execution of their duties if he or she:

- (a) provides false information to an officer; or
- (b) is alleged on reasonable and probable grounds to have contravened any of the provisions of this Chapter, and fails to identify themselves to an officer upon request.

#### **1047.11.2 Fine - for contravention**

- a) Every person other than a corporation who contravenes any provision of this Chapter is guilty of an offence and on conviction is liable for every day

or part thereof upon which such offence occurs or continues to a fine of not more than \$10,000 for a first offence and \$25,000 for any subsequent conviction.

- b) Every corporation which contravenes any provision of this Chapter is guilty of an offence and on conviction is liable for every day or part thereof upon which such offence occurs or continues to a fine of not more than \$50,000 for a first offence and \$100,000 for any subsequent conviction.
- c) Upon conviction, in addition to any other remedy and to any penalty imposed by this Chapter, the court in which the conviction has been entered and any court of competent jurisdiction thereafter may make an order prohibiting the continuation or repetition of the offence by the person convicted.

#### **1047.11.3 Enforcement**

A Municipal By-law Enforcement Officer or Police Officer is hereby vested with the authority of enforcing the provisions of this Chapter.

#### **1047.11.4 Validity and Severability**

Every provision of this Chapter is declared severable from the remainder and if any provision of this Chapter shall be declared invalid by a court of competent jurisdiction, such declaration shall not affect the validity of the remainder.

#### **1047.11.5 Expenses - recovery - by City**

The City, by its employees, officers or agents, may invoice the registered property owner through an agreement (Industrial Waste Surcharge Agreement, Sanitary Discharge Agreement) or otherwise such expenses that, if not paid, may be collected in the same manner as property taxes.

#### **1047.11.6 Rebuttable presumption - identification**

In a prosecution for a contravention of this Chapter, evidence of identification shall be presumed to be correct and accurate, unless rebutted by evidence to the contrary.

### **Article 12 REPEAL**

#### **1047.12.1 Repeal**

By-law Numbers 1970-198 and 1997-49 are hereby repealed.

**Adopting By-law:** By-law 1970-109, 17 August 1970.

**By-law Amendments:** By-law 1994-24, 10 January 1994.

**Repealed and Replaced:** By-law 1997-49, 26 May 1997.

**Repealed and Replaced:** By-law 2008-152, 15 September 2008.

**Repealed and Replaced:** By-law 2009-136, 26 October 2009.

**Repealed and Replaced:** By-law 2013-101, 18 July 2013.

**Repealed and Replaced:** By-law 2015-52, 9 June 2015.

**By-law Amendments:** By-law 2016-33, 11 April 2016; By-law 2017-4, 23 January 2017; By-law 2017-14, 13 February 2017; By-law 2017-32, 3 April 2017; By-law 2018-13, 12 February 2018; By-law 2020-48, 25 May 2020.

**SCHEDULE 'A'**

**City of Orillia Waste Survey Report**

**SECTION 1 - General Information**

(a) Name of Person Submitting Report: \_\_\_\_\_  
(name)

\_\_\_\_\_  
(company name, corporation, owner) (telephone no.)

\_\_\_\_\_  
(postal address) (postal code)

(b) Company Officer responsible for waste/effluent control:

\_\_\_\_\_  
(name) (telephone no.)

(c) Location of premises:

\_\_\_\_\_  
(number, street, or road, municipality)

**SECTION 2 - Product or Service Information**

(a) Brief description of manufacturing or service activities:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(b) Principal products produced or services rendered:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



- (c) Number of employees: \_\_\_\_\_
- (d) Duration of each shift: \_\_\_\_\_ Number of shifts/day: \_\_\_\_\_ Number of days/week: \_\_\_\_\_
- (e) Are major processes:  batch  continuous  both  
If batch, average number of batches per 24-hour day: \_\_\_\_\_
- (f) Is the production subject to seasonal variations: Yes \_\_\_\_\_ No \_\_\_\_\_  
If yes, briefly describe seasonal production cycle:  
\_\_\_\_\_  
\_\_\_\_\_
- (g) Is there a special clean-up period: Yes \_\_\_\_\_ No \_\_\_\_\_  
If yes, briefly describe clean-up period activities:  
\_\_\_\_\_  
\_\_\_\_\_

**SECTION 3 - Environmental Compliance Approval (ECA)**

- (a) List and provide copies of all Environmental Compliance Approvals:  
\_\_\_\_\_  
\_\_\_\_\_

**SECTION 4 - Waste Characteristics**

- (a) List all sources of water supply:  
\_\_\_\_\_  
\_\_\_\_\_

- (b) Type of waste discharged (check all that apply):

Type	Average Flow/Day (m <sup>3</sup> /day)		
___ sanitary	_____	<input type="checkbox"/> estimated	<input type="checkbox"/> measured
___ non-contact cooling	_____	<input type="checkbox"/> estimated	<input type="checkbox"/> measured
___ contact cooling	_____	<input type="checkbox"/> estimated	<input type="checkbox"/> measured
___ process	_____	<input type="checkbox"/> estimated	<input type="checkbox"/> measured
___ other	_____	<input type="checkbox"/> estimated	<input type="checkbox"/> measured

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

Type	Average Flow/Day (m <sup>3</sup> /day)	
___ sanitary #1	_____ <input type="checkbox"/> estimated	<input type="checkbox"/> measured
___ sanitary #2	_____ <input type="checkbox"/> estimated	<input type="checkbox"/> measured
___ storm sewer #1	_____ <input type="checkbox"/> estimated	<input type="checkbox"/> measured
___ storm sewer #2	_____ <input type="checkbox"/> estimated	<input type="checkbox"/> measured
___ ground water	_____ <input type="checkbox"/> estimated	<input type="checkbox"/> measured
___ surface water	_____ <input type="checkbox"/> estimated	<input type="checkbox"/> measured

(d) Monitoring point  Manhole  Other  None

**SECTION 5 - Physical Lay-out**

Layout sketch of property (to scale or approximate) to co-ordinate buildings, pretreatment works, property boundaries, effluent lines, and sanitary and storm sewer connections. (Number sewers so that they can be related to Pollutant Information Sheets). Provide Lot Drainage Plan and Spill Contingency Plan.

**SECTION 6 - Regulation 347 Information**

For wastes **not** discharged into or in connections to any sanitary sewer or storm sewer.

- (a) Generator registration number: \_\_\_\_\_
- (b) Description of waste: \_\_\_\_\_
- (c) Waste class: \_\_\_\_\_ Hazardous waste number: \_\_\_\_\_

**SECTION 7 - Regulation 347 Information**

For wastes discharged into or in connections to **any sanitary sewer or storm sewer** (complete Section 7 for **each** sewer).

- (a) Description of waste: \_\_\_\_\_  
\_\_\_\_\_
- (b) Description of generating process: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**SECTION 8 - Pretreatment**

Pre-treatment 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 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 9 - Pollutant Information Sheet Controlled Matter**

Information for: \_\_\_\_\_ sanitary sewer \_\_\_\_\_ storm sewer

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.

PARAMETER	KNOWN PRESENT	SUSPECTED PRESENT	KNOWN ABSENT	SUSPECTED ABSENT	CONCENTRATION mg/litre
1. chlorides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
2. sulphates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
3. aluminum	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
4. iron	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
5. fluoride	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
6. phosphorus	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
7. antimony	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
8. bismuth	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
9. chromium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
10. cobalt	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
11. lead	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
12. manganese	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
13. molybdenum	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
14. selenium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
15. silver	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
16. tin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
17. titanium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
18. vanadium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
19. copper	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
20. cyanide	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
21. nickel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
22. zinc	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
23. arsenic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
24. cadmium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
25. phenolic compounds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
26. mercury	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
27. BOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
28. TSS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

29. Oil & grease (animal/veg)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
30. Oil & grease (mineral/syn)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
31. Kjeldahl nitrogen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
32. pesticides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
33. acute hazardous waste chemicals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
34. fuels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
35. hazardous industrial wastes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
36. hazardous industrial chemicals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
37. ignitable wastes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
38. biomedical wastes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
39. PCB wastes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
40. reactive wastes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
41. severely toxic materials	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
42. waste radioactive materials	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

**The information contained in this report to the best of my knowledge and belief is true, complete and accurate.**

\_\_\_\_\_  
 Authorized Representative - Name

\_\_\_\_\_  
 Title

\_\_\_\_\_  
 Email

\_\_\_\_\_  
 Signature

\_\_\_\_\_  
 Date

**SCHEDULE 'B'**  
**Letter of Compliance Program**

Letterhead

Address:

Date:

Attention of:

**Compliance Program Number:**

In accordance with the provisions of Section 6 of The City of Orillia Municipal Code Chapter 1047, you are hereby granted a compliance program subject to the following conditions:

1. During the period covered by this compliance program only, the quality of the (sewage, uncontaminated water, or stormwater) discharged by your Company from the said premises to the \_\_\_\_\_ (sanitary, combined or storm) sewer system or land drainage works may exceed the limits set by Chapter 1047 with respect to the parameters listed below provided that they shall not exceed the following limits at any time:

	<u>parameter</u>	<u>limit (mg/litre)</u>
(a)	_____	_____
(b)	_____	_____
(c)	_____	_____
(d)	_____	_____
(e)	_____	_____
(f)	_____	_____
(g)	_____	_____

2. The discharge of \_\_\_\_\_ (sewage, uncontaminated water or stormwater) by your company from the said premises containing the parameters listed in Item 1 in excess of the limits in Item 1 shall constitute a contravention of this compliance program and thus a contravention of the said Chapter.
3. The compliance program may be terminated at any time on 30 days written notice sent by registered mail addressed to the Company at the said premises, if
  - (a) The sewage 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 criteria relating to contaminants for spreading the sludge on agricultural lands under Ontario's Guidelines for the Utilization of Biosolids and Other Wastes on Agricultural Land (March 1996); or
  - (e) The sewage is causing the sewage works effluent to contravene any requirement by or under the Ontario Water Resources Act or the Environmental Protection Act (Ontario); or
  - (f) The sewage is causing a hazard to any person, animal, property, or vegetation; or
  - (g) The sewage is contrary to Chapter 1047 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 person, property, plant or animal life, or waters.
5. This compliance program shall remain in force until \_\_\_\_\_ provided the following timetable is adhered to:

**PROGRAM ACTIVITIES**

**COMMENCEMENT DATE    COMPLETION DATE**

a. Select Engineer	_____	_____
b. Engineering Investigation of Plant Conditions (Industrial Process Review & Wastewater Characterization)	_____	_____
c. Select Treatment Process & Design Criteria (Treatability Studies)	_____	_____
d. Detailed Design of Treatment System (Plans & Specifications)	_____	_____
e. Select Contractor For Installation/Construction	_____	_____
f. Commence Construction	_____	_____
g. Pretreatment System Start Up	_____	_____
h. Preparation of Operations Manual	_____	_____
i. Operator Training	_____	_____

6. You must, however, take all necessary steps to ensure that all other conditions and parameters listed in the Chapter 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 30 days of your receipt of the letter.

- 8. This Compliance Program has been reviewed and is acceptable to the Corporation of the City of Orillia.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name and Title

- 9. This Compliance Program has been reviewed and is accepted by:

\_\_\_\_\_  
Authorized Representative

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name and Title

\_\_\_\_\_  
Company Name



**SCHEDULE 'C'**  
**Compliance Program Progress Report\***

COMPANY NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

DATE SUBMITTED: \_\_\_\_\_

AUTHORIZED REPRESENTATIVE: \_\_\_\_\_

1. Compliance Program Activity Description: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

2. Scheduled Completion Date For Above Activity: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

3. Activity Completed On Schedule? YES \_\_\_\_\_ NO \_\_\_\_\_

4. If Not On Schedule, Indicate Anticipated Completion Date: \_\_\_\_\_

5. State Reason For Delay, If Applicable: \_\_\_\_\_

6. What Action Has Been Initiated To Return Project To Original Schedule?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\* Report is to be submitted to the Municipality within 14 days after scheduled completion of each activity listed in the Compliance Program.