



By-law No. 2006-034

“A By-law to Regulate the Discharge of Sewage and Land Drainage”

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Consolidated for Convenience Only

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BY-LAW NO. 2006-034

THE CORPORATION OF THE CITY OF OWEN SOUND

**A BY-LAW TO REGULATE THE DISCHARGE OF
SEWAGE AND LAND DRAINAGE**

TABLE OF CONTENTS

SECTION 1	- DEFINITIONS	2
SECTION 2	- GENDER.....	7
SECTION 3	- SANITARY AND COMBINED SEWER REQUIREMENTS.....	7
SECTION 4	- PROHIBITION OF DILUTION	10
SECTION 5	- STORM SEWER REQUIREMENTS.....	10
SECTION 6	- WASTE AUDIT SURVEY	12
SECTION 7	- AGREEMENTS.....	14
SECTION 8	- COMPLIANCE PROGRAM.....	15
SECTION 9	- SAMPLING AND ANALYTICAL REQUIREMENTS.....	16
SECTION 10	- SPILLS	16
SECTION 11	- GENERAL.....	17
SECTION 12	- SEWER CONNECTIONS	21
SECTION 13	- CONFIDENTIAL INFORMATION	26
SECTION 14	- OFFENCES	26
SECTION 15	- SEVERABILITY	26
SECTION 16	- BY-LAWS REPEALED.....	26
SECTION 17	- EFFECTIVE DATE	27
APPENDIX 1	.....	28
APPENDIX 2	.....	31
APPENDIX 3	.....	32
APPENDIX 4	.....	36
APPENDIX 5	.....	43

THE CORPORATION OF THE CITY OF OWEN SOUND

**A BY-LAW TO REGULATE THE DISCHARGE OF
SEWAGE AND LAND DRAINAGE**

SECTION 1 - DEFINITIONS

In this By-law:

- 1.1 **Acute Hazardous Waste Chemicals** means acute hazardous waste chemicals within the meaning of O. Reg. 347, as amended from time to time, made under the Environmental Protection Act, R.S. O. 1990 c. E. 19 (EPA);
- 1.2 **Accredited Lab** means the analysis of samples must be carried out by a laboratory which;
 - 1.2.1 has met the requirements of the International Standard ISO/IEC 17025; and
 - 1.2.2 has been accredited for specific parameters by the Standards Council of Canada; and
 - 1.2.3 has a valid CAEAL registration number for required analysis.
- 1.2 **Biochemical Oxygen Demand (BOD)** means the 5-day BOD which is the determination of the molecular oxygen utilized during a 5-day incubation period for the biochemical degradation of organic material (carbonaceous demand), and the oxygen used to oxidize inorganic material such as sulphides and ferrous iron, and the amount of oxygen used to oxidize reduced forms of nitrogen (nitrogenous demand);
- 1.3 **Biomedical Waste** means biomedical waste as defined in the Ontario Ministry of Environment Guideline C-4 entitled "The Management of Biomedical Waste in Ontario" dated April 1994, as amended from time to time;
- 1.4 **Biosolids** means organic solid material recovered from the wastewater treatment process;
- 1.5 **Blow Down Water** means re-circulating water that is discharged from a cooling or heating water system for the purpose of controlling the level of water in the system or for the purpose of discharging from the system materials contained in the system, the further build-up of which would or might impair the operation of the system;
- 1.6 **Building** means a structure occupying an area greater than 10 square metres consisting of a wall, roof and floor or any of them or a structural system serving the function thereof including all plumbing, works, fixtures and service systems appurtenant thereto; a structure occupying an area of 10 square metres or less that contains plumbing, including plumbing appurtenant thereto; plumbing not located in a structure;
- 1.7 **City** means the Corporation of the City of Owen Sound;
- 1.8 **Clean Out** means any port or opening to sewage service lateral that allows inspection and maintenance access to a sewage connection;

- 1.9 **Combined Sewer** means a sewer intended to function simultaneously as a storm sewer and a sanitary sewer;
- 1.10 **Combustible Liquids** means a liquid that has a flash point not less than 37.8 degrees Celsius and not greater than 93.3 degrees Celsius;
- 1.11 **Composite Sample** means a volume of sewage, storm water, uncontaminated water, or effluent made up of three or more grab samples that have been combined automatically or manually and taken at intervals during the sampling periods;
- 1.12 **Connection or Drain** means that part or those parts of any pipe or system of pipes leading directly to a sewage works;
- 1.13 **Cooling water** means water that is used in a process for the purpose of removing heat and that has not, by design, come into contact with an raw material, intermediate product, waste product, or finished product, but does not include blow down water;
- 1.14 **Dental Amalgam** means an alloy of mercury with another metal (commonly silver) that is solid or liquid at room temperature according to the proportion of mercury present and is used especially in making tooth cements;
- 1.15 **Dental Amalgam Separator** means an installed device that separates dental amalgam from wastewater and prohibits the separated material from entering the sanitary system;
- 1.16 **Discharger** means an individual, association, partnership, Corporation, Municipality, or an agent or employee thereof, in occupation or having the charge, management, or control of a plant, sewage, storm water, uncontaminated water or any combination thereof, to which this By-law applies;
- 1.17 **Double Municipal Sewer Connection** means a municipal sewer connection providing service to two or more premises;
- 1.18 **Environmental Superintendent** means the Environmental Superintendent of the City of Owen Sound and his successors or his duly authorized representative;
- 1.19 **Fuel** means alcohol, gasoline, naphtha, diesel fuel, fuel oil, kerosene or any other ignitable substance intended for use as a fuel;
- 1.20 **Grab Sample** means a volume of sewage, storm water, uncontaminated water, or effluent of at least 100 millilitres, which is collected over a period not exceeding fifteen minutes;
- 1.21 **Groundwater** means water beneath the earth's surface accumulating as a result of a seepage;
- 1.22 **Hauled Sewage** means waste removed from a sewage system, including a cesspool, a septic tank system, a privy vault or privy pit, a chemical toilet, a portable toilet, or a sewage holding tank;
- 1.23 **Hauled Waste** means any industrial waste, which is transported to and deposited into any location in the sewage works, excluding, hauled sewage;
- 1.24 **Hazardous Industrial Waste** means hazardous industrial waste within the meaning of O. Reg. 347, as amended from time to time, made under the Environmental Protection Act, R.S.O. 1990 c. E.19 (EPA);

- 1.25 **Ignitable Waste** means a substance that:
- 1.25.1 Is a liquid, other than an aqueous solution containing less than a 24 per cent alcohol by volume and has a flash point less than 93 degrees Celsius, as determined by the Tag Closed Cup Tester (ASTM D-56-97a), the Setaflash Closed Cup Tester (ASTM D-3828097 or ASTM D-93097), or as determined by an equivalent test method;
- 1.25.2 Is a solid and is capable, under standard temperature and pressure, of causing fire through friction, absorption of moisture or spontaneous chemical changes and, when ignited, burns so vigorously and persistently that it creates a danger;
- 1.25.3 Is an ignitable compressed gas (Class 2, Division D) as defined in the regulations under the Transportation of Dangerous Goods Act, 1992, S.C.1992, as amended; or
- 1.25.4 Is an oxidizing substance (Class 5, Divisions 1 and 2) as defined in the regulations under the Transportation of Dangerous Goods Act, 1992, S.C.1992, as amended;
- 1.26 **Industrial** means of or pertaining to manufacturing, commerce, trade, business, or institutions as distinguished from domestic or residential;
- 1.27 **Industry** means any owner or operator of industrial or commercial premises from which there is a discharge of any matter directly or indirectly into a City sanitary sewer, combined sewer or storm sewer;
- 1.28 **Maintenance Access Hole** means an access point in a private sewer connection to allow for observation, sampling and flow measurement of the sewage, uncontaminated water or storm water therein;
- 1.29 **Matter** includes any solid, liquid or gas;
- 1.30 **Municipal Sewer Connection** means that part of any drain leading from the private sewer connection and connected to the municipal sewer and located within the limits of the public road allowance, or other public lands or public land interests held for sewerage purposes;
- 1.31 **Owner** includes the person for the time being in charge of the land and premises or managing or receiving the rent of the land or premises, whether on the person's own account or as agent or trustee of any other person, or the person who would receive the rent for such land and premises if the same were let, and further, Owner includes a Lessee, Tenant, or Occupant of the lands or premises;
- 1.32 **Pathological Waste** means pathological waste within the meaning of O. Reg. 347 as amended from time to time, made under the Environmental Protection Act, R.S. O. 1990 c. E. 19 (EPA);
- 1.33 **PCBs** means any monochlorinated or poly chlorinated biphenyl or any mixture of them or mixture that contains one or more of them;
- 1.34 **PCB Waste** means a PCB waste within the meaning of O. Reg. 352, as amended from time to time, made under the EPA, R.S.O. 1990 c. E. 19 (EPA);

- 1.35 **Person** means an individual, association, partnership, corporation, municipality or an agent or employee of such a person;
- 1.36 **Pesticides** means a pesticide regulated under the Pesticides Act, R.S.O. 1990 c. P. (PA);
- 1.37 **Pollution Prevention** means the use of processes, materials, products or energy that avoid or minimize the creation of pollutants and wastes, at the source;
- 1.38 **Private Sewer Connection** means that part of any drain or system of drains, including drains or subsurface drainage pipe for surface or subsurface drainage of the land in or adjacent to a building, lying within the limits of the private lands and leading to a municipal sewer connection;
- 1.39 **Reactive Waste** means a substance that:
- 1.39.1 Is normally unstable and readily undergoes violent changes without detonating;
- 1.39.2 Reacts violently with water;
- 1.39.3 Forms potentially explosive mixtures with water;
- 1.39.4 When mixed with water, generates toxic gases, vapours or fumes in a quantity sufficient to present danger to human health or the environment;
- 1.39.5 Is a cyanide or sulphide bearing waste which, when exposed to pH conditions between 2 and 12.5, can generate toxic gases, vapours or fumes in a quantity sufficient to present danger to human health or the environment;
- 1.39.6 Is capable of detonation or explosive reaction if it is subjected to a strong initiating source or if heated under confinement;
- 1.39.7 Is readily capable of detonation or explosive decomposition or reaction at standard temperature and pressure; or
- 1.39.8 Is an explosive (Class 1) as defined under the Transportation of Dangerous Goods Act, 1992, S.C. 1992, as amended from time to time;
- 1.40 **Sanitary Sewer** means a sewer for the collection and transmission of domestic or industrial sewage or any combination thereof;
- 1.41 **Severely Toxic Waste** means waste containing any contaminant listed in Schedule 3 of O. Reg. 347, as amended from time to time, made under the Environmental Protection Act, R.S.O.1990 c. E. 19 (EPA);
- 1.42 **Sediment** means material either organic or inorganic, that settles to the bottom of a liquid;
- 1.43 **Sewage** means any liquid waste containing animal, vegetable, mineral or chemical matter in solution or in suspension but does not include storm water or uncontaminated water;
- 1.44 **Sewage Works** means any works for the collection, transmission, treatment and disposal of sewage, storm water or uncontaminated water, including a combined sewer, sanitary sewer or storm sewer, or any part of such works, but does not include plumbing or other works to which the Building Code Act, 1992 applies;

- 1.45 **Sewer** means a pipe, conduit, drain, open channel, or ditch for the collection and transmission of sewage, storm water and or uncontaminated water, or any combination thereof;
- 1.46 **Single Grab Sample** means a portion of the discharge from or deposit to the sewage works taken at a particular time and place;
- 1.47 **Spill** means a direct or indirect discharge into sewage works, storm sewer or the natural environment, which is abnormal in quantity in light of all the circumstances of the discharge;
- 1.48 **Standard Methods** means a procedure or method set out in Standard Methods for the Examination of Water and Wastewater published jointly by the American Public Health Association, American Water Works Association and the Water Environment Federation, (latest edition);
- 1.49 **Storm Sewer** means a sewer for the collection and transmission of uncontaminated water, storm water, drainage from land or from a watercourse or any combination thereof;
- 1.50 **Storm Water** means water from rainfall, other natural precipitation, drainage or from the melting of snow or ice;
- 1.51 **Subject Pollutant** means the element, material, or compound listed in Appendix 2 to this By-law, or designated by the City in accordance with Sections 2 and 4 of this By-law;
- 1.52 **Subject sector** means any class of business or activity designated in Appendix 1 to his By-law or designated by the City in accordance with subsection 5.11 of this By-law;
- 1.53 **Subject Sector Industry** means any industry which carries out an activity listed in Appendix 1 to this By-law at its premises or at any of its premises, even if the activity is not a primary activity of the industry at any premises;
- 1.54 **Subsurface drainage pipe** means a pipe that is installed underground to intercept and convey subsurface water, and includes foundation drain pipes;
- 1.55 **Total PAHs** means the total of all the polycyclic aromatic hydrocarbons listed under Canada Ontario Agreement Tier I and II Substance Lists, i.e. anthracene, benzo(a)pyrene, benzo(a)anthracene, benzo(e)pyrene, benzo(b)fluoranthene, benzo(j)fluoranthene, benzo(k)fluoranthene, benzo(g,h,l)perylene, chrysene, dibenzo(a,h) anthracene, dibenzo(a,i)pyrene, dibenzo(a,j)acridine, 7H- dibenzo(c,g) carbazole, dinitropyrene, fluoranthene, indeno(1,2,3-c,d)pyrene, perylene, phenanthrene, and pyrene;
- 1.56 **Uncontaminated Water** means water with a level of quality which is typical of potable water normally supplied by the City or whose quality meets or exceeds the values in Table 2- Limits for Storm Sewer Discharge of this By-law;
- 1.57 **Waste Disposal Site Leachate** means the liquid containing dissolved or suspended contaminants, which emanates from waste and is produced by water percolating through waste or by liquid in waste;
- 1.58 **Waste Radioactive Prescribed Substances** means uranium, thorium, plutonium, neptunium, deuterium, their respective derivatives and compounds and such other substances as the Atomic Energy Control Board may by regulation designate as being

capable of releasing atomic energy or as being requisite for the production, use or application of atomic energy; and

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

SECTION 2 - GENDER

Gender in this By-Law words importing the masculine gender includes females as well as males and the converse.

SECTION 3 - SANITARY AND COMBINED SEWER REQUIREMENTS

- 3.1 No person shall discharge directly or indirectly or deposit or cause or permit the discharge or deposit of sewage into a sanitary sewer, combined sewer, municipal or private sewer connection to any sanitary sewer or combined sewer in circumstances where:
- 3.1.1 To do so may cause or result in:
- 3.1.1.1 A health or safety hazard to a person authorized by the City to inspect, operate, maintain, repair or otherwise work on a sewage works;
- 3.1.1.2 An offence under the Ontario Water Resources Act or the Environmental Protection Act, as amended from time to time, or any regulation made there under from time to time;
- 3.1.1.3 Biosolids from the sewage works to which either sewage discharges directly or indirectly, fail to meet the objectives and criteria as listed in Ministry of the Environment publication entitled "Guidelines for the Utilization of Biosolids and Other Wastes on Agricultural Land" dated March 1996, as amended from time to time;
- 3.1.1.4 Interference with the operation or maintenance of a sewage works, or which may impair or interfere with any sewage treatment process;
- 3.1.1.5 A hazard to any person, animal, property or vegetation;
- 3.1.1.6 An offensive odour to emanate from 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;
- 3.1.1.7 Damage to sewer works;
- 3.1.1.8 An obstruction or restriction to the flow in sewage works;
- 3.1.2 The sewage has one or more of the following characteristics:
- 3.1.2.1 A pH less than 6.0 or greater than 10.5;
- 3.1.2.2 Two or more separate liquid layers; or
- 3.1.2.3 A temperature greater than 60 degrees Celsius;
- 3.1.3 The sewage contains:
- 3.1.3.1 Acute hazardous waste chemicals;

- 3.1.3.2 Biomedical waste
- 3.1.3.2.1 A copy of the most recent certificate of approval or provisional certificate and any amendment is provided to the City;
- 3.1.3.3 Combustible liquid;
- 3.1.3.4 Dyes or colouring materials, which may or could pass through a sewage works and discolours the sewage works effluent;
- 3.1.3.5 Fuel;
- 3.1.3.6 Hauled sewage, except where:
 - 3.1.3.6.1 The carrier of the hauled sewage operating as a waste management system has a certificate of approval or provisional certificate of approval issued under the Environmental Protection Act or is exempt from the requirement to have a certificate or provisional certificate of approval;
 - 3.1.3.6.2 A copy of the most recent certificate of approval or provisional certificate and any amendment is provided to the City; and
 - 3.1.3.6.3 The carrier meets all conditions for discharge that are or may be set from time to time with respect to the haulage of sewage by the City;
- 3.1.3.7 Hauled waste, except where:
 - 3.1.3.7.1 The carrier of the hauled waste operating as a waste management system has a certificate of approval or provisional certificate of approval issued under the Environmental Protection Act or is exempt from the requirement to have a certificate or provisional certificate of approval;
 - 3.1.3.7.2 A copy of the most recent certificate of approval or provisional certificate and any amendment is provided to the City;
 - 3.1.3.7.3 Hauled waste meets the conditions set out in Clauses 23(3)c) and 25(5)(b) of O. Reg. 347, R.R.O. 1990, as amended from time to time; and
 - 3.1.3.7.4 The carrier meets all conditions for discharge that are or may be set from time to time with respect to the haulage of waste by the City;
- 3.1.3.8 Ignitable waste;
- 3.1.3.9 Hazardous industrial waste;
- 3.1.3.10 Hazardous waste chemicals;
- 3.1.3.11 Pathological waste;
- 3.1.3.12 PCBs, except where:
 - 3.1.3.12.1 The discharger has a certificate of approval for a mobile site or PCB mobile waste disposal system issued under the Environmental Protection Act (EPA) or where the person is claiming exemption under a regulation, the person has demonstrated to the City that the conditions of the exemption are met;
 - 3.1.3.12.2 A copy of the most recent certificate or provisional certificate and any amendment is provided to the City; and

- 3.1.3.12.3 The discharger has written approval from the City that the discharger has met a condition for an exemption under the regulations in relation to their discharge of PCBs to the sewage works;
- 3.1.3.13 Pesticides;
- 3.1.3.14 reactive waste;
- 3.1.3.15 Severely toxic waste;
- 3.1.3.16 Waste radioactive prescribed substances, except where:
 - 3.1.3.16.1 The waste radioactive prescribed substances are being discharged under a valid and current license issued by the Atomic Energy Control Board or its successor; and
 - 3.1.3.16.2 A copy of the license has been provided to the City;
- 3.1.3.17 Waste disposal site leachate, except where:
 - 3.1.3.17.1 the discharger has prior written approval from the City, which permits the discharge or deposit of the waste disposal site leachate to the sewage works, in accordance with guidelines adopted by the City from time to time; and
 - 3.1.3.17.2 In the case where a certificate of approval or order has been issued which includes a provision for the disposal of waste disposal site leachate to sewage works, a copy of the certificate of approval or order is provided to the City or where the person is claiming an exemption, the person has received written notice from the City that the conditions of the exemption are being met;
- 3.1.3.18 Solid or viscous substances in quantities or of such size to be capable of causing obstruction to the flow in a sewer, including but not limited to ashes, bones, cinders, sand, mud, soil, straw, shaving, metal, glass, rags, feathers, tar, plastics, wood, un-ground garbage, whole blood, animal parts or tissues, and paunch manure;
- 3.1.4 The sewage contains a concentration, expressed in milligrams per litre, in excess of any one or more of the limits in Table 1 of this By-law entitled "Limits for Sanitary and Combined Sewers Discharge".
- 3.2 No person shall discharge storm water, groundwater, non-contact cooling water or uncontaminated water to a sanitary or combined sewer unless expressly authorized in writing by the City in accordance with guidelines adopted by the City from time to time.
- 3.3 No person shall discharge of water originating from a source other than the City water supply directly or indirectly to a sanitary sewer or combined sewer, unless:
 - 3.3.1 The discharge is expressly authorized in writing by the City in accordance with guidelines adopted by the City from time to time, prior to the discharge; or
 - 3.3.2 The discharge is in accordance with a Sanitary Discharge Agreement; and
 - 3.3.3 Any fees required to be paid to the City pursuant to an Industrial Waste Surcharge Agreement are paid within 30 days of the date of the invoice from the City.

3.3.3.1 The provisions of subsection 3.1.4 do not apply where:

3.3.3.1.1 The discharge is in accordance with an Industrial Waste Surcharge Agreement or expressly authorized in writing by the City in accordance with this By-law prior to the discharge; and

3.3.3.1.2 Any fee set by the City has been paid within 30 days of invoicing.

Table 1 - Limits for Sanitary and Combined Sewers Discharge

Parameter	Limit (mg/L)	Parameter	Limit (mg/L)
Biochemical Oxygen Demand	300	Benzene	0.01
Cyanide (total)	2	Chloroform	0.04
Fluoride	10	1,2-dichlorobenzene	0.05
Total Kjeldahl Nitrogen	100	1,4-dichlorobenzene	0.08
Oil & Grease – Animal & vegetable	150	Cis-2,3-dichloropropylene	
Oil & Grease – Mineral & Synthetic	15	Trans-1,3-dichloropropylene	0.14
Phenolics (4AAP)	1.0	Ethyl benzene	0.16
Phosphorus (total)	10	Methylene chloride	2
Suspended Solids (total)	350	1,1,2,2-tetrachloroethane	1.4
Aluminum (total)	50	Tetrachloroethylene	1
Antimony (total)	5	Toluene	0.016
Arsenic (total)	1	Trichloroethylene	0.4
Cadmium (hexavalent)	2	Di-n-butyl phthalate	0.08
Chromium (total)	2	Bis (2-ethylhexyl) phthalate	0.012
Cobalt (total)	5	Nonylphenols	0.001
Copper (total)	2	Nonylphenol ethoxylates	0.01
Lead (total)	1	Aldrin/dieldrin	0.0002
Manganese (total)	5	Chlordane	0.1
Mercury (total)	0.01	DDT	0.0001
Molybdenum (total)	5	Hexachlorobenzene	0.0001
Nickel (total)	2	Mirex	0.1
Selenium (total)	1	PCBs	0.001
Silver (total)	5	3,3-dichlorobenzidine	0.002
Tin (total)	5	Hexachlorocyclohexane	0.1
Titanium (total)	5	Pentachlorophenol	0.005
Zinc (total)	2	Total PAHs	0.005

SECTION 4 - PROHIBITION OF DILUTION

4.1 No person shall discharge directly or indirectly or deposit or permit the discharge or deposit of sewage into a sanitary sewer, combined sewer, storm sewer, municipal or private sewer connection to any sanitary sewer, combined sewer or storm sewer in circumstances where water has been added to the discharge for the purpose of dilution to achieve compliance with Sections 3 or 5 of the By-law.

SECTION 5 - STORM SEWER REQUIREMENTS

5. No person shall discharge or deposit or cause or permit the discharge or deposit of matter of any type into a storm sewer, watercourse and municipal or private sewer connection to any storm sewer, which may or could:

5.1 interfere with the proper operation of a storm sewer;

5.2 Obstruct or restrict a storm sewer or the flow therein;

5.3 Damage a storm sewer;

5.4 Result in any hazard or other adverse impact, to any person, animal, property, or vegetation;

5.5 Contravene or result in the contravention of a certificate of approval or provisional certificate of approval issued under the

Ontario Water Resources Act or the Environmental Protection Act (Ontario) with respect to the storm sewer or its discharge;

- 5.6 have one or more of the following characteristics:
 - 5.6.1 Visible film, sheen or discoloration;
 - 5.6.2 Two or more separate layers;
 - 5.6.3 A pH less than 6.5 or greater than 8.5;
 - 5.6.4 A temperature greater than 40 degrees Celsius;
- 5.7 Contain one or more of the following:
 - 5.7.1 Acute hazardous waste chemicals;
 - 5.7.2 Blow down water;
 - 5.7.3 Once through cooling water;
 - 5.7.4 Combustible liquids;
 - 5.7.5 Floating debris;
 - 5.7.6 Automotive or Machine Oils and Greases;
 - 5.7.7 Fuel;
 - 5.7.8 Paints and Organic Solvents;
 - 5.7.9 Hauled sewage;
 - 5.7.10 Hauled waste;
 - 5.7.11 Hazardous industrial waste;
 - 5.7.12 Hazardous waste chemicals;
 - 5.7.13 Ignitable waste;
 - 5.7.14 Pathological waste;
 - 5.7.15 Whole blood;
 - 5.7.16 PCBs;
 - 5.7.17 PCB Waste;
 - 5.7.18 Pesticides;
 - 5.7.19 Reactive waste;
 - 5.7.20 Severely toxic waste;
 - 5.7.21 Sewage;
 - 5.7.22 Waste radioactive prescribed substances;
 - 5.7.23 Waste disposal site leachate;
 - 5.7.24 A substance from raw materials, intermediate or final product, used or produced in, through or from an industrial process; or

- 5.7.25 A substance used in the operation or maintenance of an industrial site;
- 5.8 Contain E. coli colonies in excess of 200 per 100 mL;
- 5.9 Contain contaminants from raw materials, intermediate or final products or wastewater from an industrial operation; or
- 5.10 Contain a concentration, expressed in milligrams per litre, in excess of any one or more of the limits in Table 2 of this By-law entitled "Limits for Storm Sewer Discharge".

Table 2 - Limits for Storm Sewer Discharge

Parameter	Limit (mg/L)	Parameter	Limit (mg/L)
Biochemical Oxygen Demand	15	Trans-1,3-dichloropropylene	0.0056
Cyanide (total)	0.02	Ethyl benzene	0.002
Phenolics (4AAP)	0.008	Methylene chloride	0.0052
Phosphorus (total)	0.4	1,1,2,2-tetrachloroethane	0.017
Suspended Solids (total)	15	Tetrachloroethylene	0.0044
Arsenic (total)	0.02	Toluene	0.002
Cadmium (total)	0.008	Trichloroethylene	0.0076
Chromium (total)	0.08	Xylenes (total)	0.0044
Chromium (hexavalent)	0.04	Di-n-butyl phthalate	0.015
Copper (total)	0.04	Bis(2-ethylhexyl) phthalate	0.0088
Lead (total)	0.12	Nonylphenols	0.001
Manganese (total)	0.05	Nonylphenol ethoxylates	0.01
Mercury (total)	0.0004	Aldrin/dieldrin	0.00008
Nickel (total)	0.08	Chlordane	0.04
Selenium (total)	0.02	DDT	0.00004
Silver (total)	0.12	Hexachlorobenzene	0.00004
Zinc (total)	0.04	Mirex	0.04
Benzene	0.002	PCBs	0.0004
Chloroform	0.002	3,3-dichlorobenzidine	0.0008
1,2-dichlorobenzene	0.0056	Hexachlorocyclohexane	0.04
1,4-dichlorobenzene	0.0068	Pentachlorophenol	0.002
Cis-1,2-dichloroethylene	0.0056	Total PAHs	0.002

SECTION 6 - WASTE AUDIT SURVEY

- 6.1 Every subject sector industry and every industry which discharges any amount of subject pollutant shall prepare a Waste Audit Survey (WAS) and submit it to the City with respect to the premises from which the discharge occurs by no later than the date set out in Column 3 of Appendix 1 to this By-law that corresponds to the Industrial Category for that industry as set out in Column 2 of the said Appendix 1.
- 6.2 Waste Audit Surveys submitted to the City shall be approved by the Environmental Superintendent unless determined that the Waste Audit Survey does not comply with the requirements of this By-law in which case the WAS must be re-submitted to the City as per section 6.8.
- 6.3.1 The Waste Audit Survey shall be in the form designated by the City for that purpose from time to time.
- 6.3.2 In addition to any other matter or requirement designated by the City, and notwithstanding subsection 6.3.3 each Survey shall include the following:
- 6.3.2.1 A description of the processes at the premises which use or produce subject pollutants;

- 6.3.2.2 A map indicating locations of subject pollutants present at the premises at any stage of the operations of the premises, including storage inside, outside, above ground and below ground;
- 6.3.2.3 The type or description of storage container(s) each subject pollutant is contained in;
- 6.3.2.4 A complete list of all subject pollutants used or produced on the premises;
- 6.3.2.5 A description setting out the types, quantities and concentrations of all subject pollutants discharged, directly or indirectly, to a sewer;
- 6.3.2.6 A copy of the Certificate of Approval or Provisional Certificate of Approval and any Amendments (if applicable);
- 6.3.2.7 Small quantity generator number (if applicable);
- 6.3.2.8 A description of current waste reduction, recycling, waste treatment and pollution prevention activities with respect to sewer discharge at the premises;
- 6.3.2.9 A declaration from an authorized person that the content of the plan is, to the best of that person's knowledge, true, accurate and complete.
- 6.3.3 The City may designate a different form for the Waste Audit Survey with respect to any class of industrial, commercial or institutional premises, or with respect to any class of industry.
- 6.4 In the event that the activity or business of an industry which discharges any amount of a subject pollutant is not listed in Column 2 of Appendix 1 to this By-law, then that industry shall prepare a Waste Audit Survey and submit it to the City by no later than December 31, 2006.
- 6.5 Any subject sector industry and any industry discharging any amount of a subject pollutant, which commences business operations after this By-law comes into force, shall have three months from the date of commencement of its business operations to prepare a Waste Audit Survey and submit it to the City.
- 6.6 At all times after the dates specified in subsections 6.1, 6.4 and 6.5 every subject sector industry and every industry discharging a subject pollutant shall have a Waste Audit Survey that has been approved by the City.
- 6.7 In the event that an industry submitting a Waste Audit Survey is not sent written notice from the City that the Survey is not approved by the City within 90 days of the industry delivering the survey to the City, the survey shall be deemed to have been approved by the City.
- 6.8 Where an industry receives notice from the Environmental Supervisor that its Waste Audit Survey has not been approved, the industry shall have 90 days to amend and resubmit its survey to the City for approval in accordance to this By-law.
- 6.9 In the event that a Waste Audit Survey resubmitted to the City in accordance with subsection 6.8 of this By-law continues to fail to comply with the requirements of this By-law, the City shall so notify the industry and the industry shall be in contravention of subsection 6.1 of this By-law and shall continue to be in contravention of this By-law until such time as the City approves

of an amended Waste Audit Survey resubmitted by the industry, in accordance with this By-law.

- 6.10 Every subject sector industry and every industry discharging a subject pollutant shall submit a revised and updated Waste Audit Survey for the approval of the City at least once every two years from the date which the original survey was required to be submitted.
- 6.11 The City may designate any class of business or activity not included in Appendix 1 to this By-law as a subject sector industry and may designate a date with respect to which any such subject sector shall be required to submit to the City a Waste Audit Survey.
- 6.12 The City may designate any matter as a subject pollutant and may designate a date with respect to which any industry discharging such subject pollutant shall be required to submit to the City a Waste Audit Survey.
- 6.13 A copy of the Waste Audit Survey shall be kept at all times at the premises in respect to which it was prepared and shall be available for inspection by the City at any time.
- 6.14 Every discharger shall, at least fifteen (15) days prior to any change (deletion or addition) to the information required under subsection 6.1 of this By-law, provide written details of the change to the City, and shall, before implementing the change, fully comply with the provisions of this By-law.

SECTION 7 - AGREEMENTS

- 7.1 The discharge or deposit of sewage by a person that would otherwise be prohibited by this By-law may be permitted into or in any connection to any sanitary or combined sewer to an extent established by;
 - 7.1.1 an Industrial Waste Surcharge Agreement with respect to the discharge of the following treatable parameters in sewage:
 - 7.1.1.1 total phosphorus;
 - 7.1.1.2 total suspended solids;
- 7.2 At the City's discretion an agreement may be for a limited period of time or one-time discharge.
- 7.3 Will require analysis of subject waste by an accredited laboratory, and receipt and approval thereof by the City before any such Agreement is entered into;
- 7.4 Such Agreements shall generally be in the form designated by the City from time to time, and 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, water or sewage works; or
 - 7.4.1 If subject waste exceeds the parameter limits set out in the original Industrial Waste Surcharge Agreement on subsequent sampling and lab analysis; or
 - 7.4.2 At the discretion of the City for any reason.

SECTION 8 - COMPLIANCE PROGRAM

- 8.1 An industry may submit to the City a proposed compliance program setting out activities to be undertaken by the industry that would result in the prevention or reduction and control of the discharge or deposit of matter from the industry's premises into municipal or private sewer connections to any sanitary or combined sewer.
- 8.2 An industry may submit to the City a proposed compliance program setting out activities to be undertaken by the industry that would result in the prevention or reduction and control of the discharge or deposit of uncontaminated water, groundwater or storm water from the industry's premises to eliminate the discharge of matter into municipal or private sewer connections.
- 8.3 Upon receipt of an application pursuant to subsections 8.1 and 8.2 above, the City may issue an approval for a compliance program for an industry to discharge an effluent that does not comply with Table 1 and Table 2 of this By-law such approval to be in accordance with guidelines therefore adopted by the City from time to time. The industry shall be entitled to make non-complying discharges in the amount and only to the extent set out in the City's approval during the planning, design, and construction or installation of facilities or works needed to implement the approved compliance program.
- 8.4 Every proposed compliance program shall be for a specified length of time during which treatment facilities are to be installed, and shall be specific as to the remedial action to be implemented by the industry, the dates of commencement and completion of the activity, and the materials or other characteristics of the matter to which it relates. The final activity completion date shall not be later than the final compliance date in the compliance program.
- 8.5 The industry to which a compliance program has been issued shall submit a compliance program progress report to the City within 14 days after the scheduled completion date of each activity listed in the compliance program.
- 8.6 The City may terminate any proposed compliance program by written notification at any time to the industry in the event that the industry fails or neglects to carry out or diligently pursue the activities required of it under its approved compliance program.
- 8.7 The City is authorized to execute agreements with industries with respect to approved compliance programs which agreements may, in accordance with guidelines adopted by the City from time to time, include a provision for a reduction in the payment otherwise required from the industry to the City pursuant to an Industrial Waste Surcharge Agreement. The reduction in payment to the City may be in such an amount and for such duration as the agreement may specify.
- 8.8 The City may terminate any approved compliance program agreement entered into pursuant to section 8.7 by written notice at any time to the industry in the event that the industry fails or neglects to carry out or diligently pursue the activities required of it under its approved compliance program, and in the event of such termination, the industry shall pay to the City the full difference in amount between what it was required to pay to the City pursuant to the Industrial Waste Surcharge Agreement, and the amount actually paid to the City as a result of having entered into an agreement with respect to the approved compliance program.

SECTION 9 - SAMPLING AND ANALYTICAL REQUIREMENTS

- 9.1 The sampling and analysis required by this By-law shall be carried out in accordance with the procedures, modified or unmodified, as described in Standard Methods or the “Guidance Document for the Sampling and Analysis of Wastewater for the 1999 Model Sewer Use By-law”, the United States Environmental Protection Agency methods or analytical methods adopted by the City.
- 9.2 Compliance or non-compliance with this By-law may be determined by the analysis of a grab sample or a composite sample done in accordance with subsection 9.1, may contain additives for its preservation and may be collected manually or by using automatic sampling device.
- 9.3 Where there is no maintenance access hole meeting the requirements of Section 11.1 of the By-law, the City may by written notice to an industry, make use of an alternate device or facility for the purpose of sampling a discharge to the sewage works
 - 9.3.1 No person shall prevent, hinder obstruct or interfere in any way with the Environmental Superintendent, or Environmental Technologist, or By-law Enforcement Officer, or other person designated by the City, from entering in or upon at any reasonable time without a Warrant any land or premises, except land or premises being used as a dwelling house where a Warrant for entering is required, for the purpose of sampling a discharge to the City’s sewage works, by making use of an alternate device or facility for the purpose of carrying out the said sampling, in the absence of a Maintenance Access Hole provided by the discharger.
- 9.4 If the industry is given written approval from the City to perform discharger self-monitoring the following will apply:
 - 9.4.1 The discharger shall complete, any monitoring or sampling of any discharge to a sewage works, as required by the City, and provide the results to the City in accordance with written notification from the City; and
 - 9.4.2 The obligations set out in or arising out of 9.3 shall be completed at the expense of the discharger unless the City has agreed in writing to share the expense with the discharger.

SECTION 10 - SPILLS

- 10.1 In the event of a spill to a sewage works, the person responsible or the person having the charge, management and control of the spill shall immediately notify the City and provide any information with regard to the spill that is requested.
- 10.2 The person responsible for the spill or the person having the charge, management, or control of the spill, shall provide a detailed report on the spill to the City, within five days after the spill, containing the following information to the best of his knowledge:
 - 10.2.1 Location where spill occurred;
 - 10.2.2 Name and telephone number of person who reported the spill and the location and time where they can be contacted;
 - 10.2.3 Date and time of spill;
 - 10.2.4 Material spilled;

- 10.2.5 Characteristics of material spilled;
- 10.2.6 Volume of material spilled;
- 10.2.7 Duration of spill event;
- 10.2.8 Work completed or still in progress in the mitigation of the spill;
and
- 10.2.9 Preventive actions being taken to ensure a similar spill does not occur again.

- 10.3 The person responsible for the spill or the person having the charge, management and control of the spill shall do everything reasonably possible to contain the spill, protect the health and safety of citizens, minimize damage to property, protect the environment, clean up the spill and contaminated residue and restore the affected area to its condition prior to the spill.

- 10.4 Industries at whose premises a spill has occurred which are required to have a Waste Audit Survey pursuant to Section 6 of this By-law, shall prepare an updated Waste Audit Survey incorporating the information set out in subsection 10.2 and shall submit the survey so updated to the City within 30 days of the spill.

SECTION 11 - GENERAL

- 11.1 Maintenance Access Hole
 - 11.1.1 The owner or operator of commercial, institutional or industrial premises, or multi-story residential buildings with one or more connections to a sewage works shall install and maintain in good repair in accordance with City's Engineering Standards in each connection a suitable maintenance access hole to allow observation, sampling and flow measurement of the sewage, uncontaminated water or storm water therein, provided that where installation of a maintenance access hole is not possible, an alternate device or facility may be substituted with the prior written approval of the City.
 - 11.1.2 The maintenance access hole or alternate device shall be located on the property of the owner or operator of the premises, as close to the property line as possible, unless the City has given prior written approval for a different location.
 - 11.1.3 Each maintenance access hole, device or facility installed as required by subsection 11.1.2 shall be designed and constructed in accordance with good engineering practice and the requirements of the municipal standard, as established by the City's Engineering Standards, and shall be constructed and maintained by the owner or operator of the premises at his expense.
 - 11.1.4 The owner or operator of the commercial, institutional or industrial premises, or multi-story residential buildings shall at all times ensure that every maintenance access hole, alternate device or facility installed as required by subsection 11.1 is accessible to the City for purposes of maintaining, observing, sampling and flow measurement of the sewage, uncontaminated water or storm water therein.

- 11.2 Clean Outs
 - 11.2.1 The owner of any other building, residential or otherwise, that is not required to install a Maintenance Access Hole must install a cleanout in each sewage connection. The cleanout shall be located on the property of the owner of the premises, as close to the property line as possible, unless the City has given prior written approval for a different location. The cleanout must be installed and maintained as per the requirements determined by the City's Engineering Standards.
- 11.3 Food Related Grease Interceptors
 - 11.3.1 Every owner or operator of a restaurant or other industrial, commercial or institutional premises where food is cooked, processed or prepared which premises is connected directly or indirectly to a sewer, shall take all necessary measures to ensure that oil and grease are prevented from entering the sewer. In particular, the owner or operator shall install, operate and properly maintain a grease interceptor in any piping system at its premises that connects directly or indirectly to a sewer. The owner or operator will be responsible for maintaining a regular effective grease management program and documenting the same. This includes regular cleaning, maintenance and documentation of such of the on-site grease interceptor to the satisfaction of the City and manufacturers guidelines.
 - 11.3.2 Every owner or operator of a restaurant or other industrial, commercial or institutional premises where food is cooked, processed or prepared which premises is connected directly or indirectly to a sewer, shall have a contract with a Ministry of Environment (MOE) certified hauler to remove the collected grease. The documentation of grease disposal must be kept on site for inspection by City staff.
- 11.4 Interceptors for Motor Oil and Lubricating Grease
 - 11.4.1 Every owner or operator of a commercial, industrial or institutional premises at which floor drains of a service garage are connected directly or indirectly to a sewer shall install and maintain an oil interceptor designed to prevent motor oil and lubricating grease from passing into drainage piping which is connected directly or indirectly to a sewer.
- 11.5 Sediment Interceptors
 - 11.5.1 Every owner or operator of a premises from which sediment may directly or indirectly enter a sewer, including, but not limited to premises using ramp drain(s) or area drain, car and vehicle wash establishments, shall take all necessary measures to ensure that such sediment is prevented from entering the drain or sewer, by means of catch basins, or traps, or an equipment means of complying with this subparagraph.
- 11.6 Garbage Grinders
 - 11.6.1 No person shall install or operate within the City any garbage grinding devices for industrial or commercial purposes, the effluent from which will discharge directly or indirectly into the sewage works.
 - 11.6.2 No person shall install or operate within the City any garbage grinding devices for domestic purposes, the effluent from which will discharge directly or indirectly into a storm or combined sewer.

11.6.3 No person shall install or operate a garbage-grinding device for domestic purposes, the effluent from which will discharge into a sanitary sewer system, unless such garbage grinding device is of a type which will permit forty percent of all grindings to pass a 2.36mm sieve (3/32”), sixty percent to pass a 6.35 mm sieve (1/4”), and all grindings to pass a 12.7 mm sieve (1/2”).

11.7 Recovery of Costs

11.7.1 The owner or operator of a commercial, industrial or institutional premises that is required to have a device as described in Section 11.3, 11.4, 11.5 or 11.6 is required to maintain such device to the satisfaction of the City. In the event the device is not maintained properly and a blockage, obstruction or other damage to the municipal sewer results, the municipality may recover all costs related to the rehabilitation of the blockage, obstruction or other damage of, to the municipal sewer from the owner of the or operator of the premises in the same manner as Municipal Taxes.

Amended by By-law 2007-179

11.7.2 *The owner or operator of a commercial, industrial or institutional premises that is required to have a device as described in Section 11.3, 11.4, or 11.5 may apply for an Exemption Agreement if they can show to the satisfaction of the City that such a device is not required to maintain prevention and control of the discharge or deposit of matter from the premises into municipal or private sewer connections to any sanitary, storm or combined sewer.*

11.7.2.1 *The City is authorized to execute Exemption Agreements with commercial, industrial or institutional premises with respect to approved exemption applications in accordance with guidelines adopted by the City from time to time and will set out specific terms and conditions that must be strictly adhered to during the duration of the agreement.*

11.7.2.2 *The industry with which an Exemption Agreement has been entered into must notify the City in writing at least 14 days before any change in operation, equipment or ownership to ensure that such changes maintain terms and conditions set out in the Exemption Agreement.*

11.7.2.3 *The City may terminate an Exemption Agreement by written notification at any time to the commercial, industrial or institutional premises in the event that the facility fails or neglects to carry out or diligently pursue the activities required of it under the approved Exemption Agreement terms and conditions.*

11.7.2.4 *A copy of the approved Exemption Agreement must accompany the required Waste Audit Survey every two years along with a signed affidavit stating that operations, equipment and ownership have not changed without the City’s approval and that the terms and conditions of the approved exemption continue to be strictly adhered to.*

11.7.2.5 *In the event the terms and conditions set out in the approved Exemption Agreement are not properly adhered to and a blockage, obstruction or other damage to the municipal sewer results, the municipality may recover all costs related to the rehabilitation of the blockage, obstruction or other damage of, to the municipal sewer from the owner of the or operator of the premises in the same manner as Municipal Taxes and the Exemption Agreement will be terminated immediately.*

- 11.8 Right of Entry
 - 11.8.1 No person shall prevent, hinder, obstruct or interfere in any way with the Environmental Superintendent, Environmental Technologist, City's By-law Enforcement Officer, Environmental Technician or an inspector and persons deemed, by the City, to be essential to an inspection and sampling, bearing proper credentials and identification from:
 - 11.8.1.1 Entering in or upon, at any reasonable time without a warrant, any land or premises, except land or premises being used as a dwelling house, where such entry must be authorized by a Warrant;
 - 11.8.1.2. Making such tests or taking such samples as the City or an inspector deems necessary;
 - 11.8.1.3 Inspecting or observing any plant, machinery, equipment, work, activity or documents; for the purposes of administering or enforcing this By-law;
- 11.9 Protection from Damage
 - 11.9.1 No person shall uncover, make any connection with, or opening into, break, alter, damage, destroy, deface or tamper or cause or permit the breaking, damaging, destroying, defacing or tampering with:
 - 11.9.1.1 Any part of a sewage works;
 - 11.9.1.2 Any permanent or temporary device installed in a sewage works for the purposes of flow measuring, sampling and testing of sewage, uncontaminated water or storm water;
- 11.10 Damage to the Sewage Works
 - 11.10.1 Any person discharging sewage, uncontaminated water, or storm water to the municipal sewage works shall be responsible for ensuring that such sewage, uncontaminated water, or storm water conforms at all times to the provisions of this By-law, and shall be liable for any damage or expense arising out of his failure to properly check and control such discharge, including the cost of investigation, repairing or replacing any part of any municipal sewage works damaged thereby.
- 11.11 Unauthorized Entry to Sewage Works
 - 11.11.1 Unless specifically authorized by the City, no person shall enter any sewage works.
- 11.12 Dental Waste Amalgam Separator
 - 11.12.1 Every owner or operator of a premises from which dental waste amalgam may be discharged which waste may directly or indirectly enter a sewer, shall install, operate and properly maintain dental waste amalgam separator(s) in any piping system at its premises that connects directly or indirectly to a sewer by no later than January 1, 2007.
 - 11.12.2 Notwithstanding compliance with subsection 11.12.1, all persons operating or carrying on the business of a dental practice shall comply with section 3.1.4 of this By-law.

SECTION 12 - SEWER CONNECTIONS

- 12.1 No person shall:
- 12.1.1 Erect or cause or permit to be erected any new building on lands that are not serviced by a sanitary sewer, unless there is a written agreement between the City and the property owner;
- 12.1.2 Construct, install, maintain, or cause or permit to be constructed, installed, or maintained, whether installed prior to the date of the passing of this By-law or any of its predecessors, a direct or indirect connection to the sanitary sewer connection which would permit anything other than domestic, institutional and industrial sewage to discharge into the sanitary sewer connection; and
- 12.2 All existing buildings erected for human use or habitation, including all industrial, commercial and institutional establishments, that currently have municipal service connections, must be connected to the municipal sanitary service.
- 12.3 No sewer or storm connection shall be constructed on any road allowance, easement or other public land except by the City or under a contract or agreement with the City.
- 12.4 In those cases where the existing municipal sewer connection does not meet the standard therefore adopted by the City from time to time as a result of a re-subdivision of lots or change in location of a building on a lot, the owner or agent shall apply and pay to the City for a new installation or installations and for the disconnection of the existing sewer connections where necessary on an actual cost basis with a minimum charge equal to the applicable flat rate, as determined by the City from time to time.
- 12.5 Reconstructed Buildings
- 12.5.1 The owner shall disconnect and cap or cause the existing sewer connection to be disconnected at the municipal sewer connection at the property line at the owner's expense. The owner applying for the permit to construct the replacement building shall be required to apply and pay the City for the connection to the municipal sewer.
- 12.5.2 For the purposes of this section, an existing building is substantially demolished when more than fifty percent of the exterior walls of the first storey above grade are removed whether or not they are subsequently replaced.
- 12.5.3 An owner who is applying for a permit to construct a replacement building or to disconnect a dwelling from a septic tank to connect to a sanitary sewer connection shall be entitled to use an existing municipal sewer connection, which, upon inspection by the City, is found to be in satisfactory condition. The applicant shall pay for the cost of the above inspection, the amount of which shall be determined from time to time by the City.
- 12.6 In the event that a sewer connection is installed or operated in contravention of any provision of this By-law, the City may until such time as the violations are rectified, order the temporary disconnection of such sewer connection. During any disconnection in accordance with this section, no person shall use or cause or permit the use of such a connection.
- 12.7 The City shall not order such temporary disconnections unless the City has first mailed or hand delivered to the property owner, or the person in charge of the property, including any Tenant, Lessee,

or Occupant of the property if any, a registered letter specifying the nature of the violation or violations of this By-law and indicating the intention of the City to order temporary disconnection of the sewer thirty days after the date of mailing, unless the City is satisfied that the violation or violations set out in the notice will be rectified within that time. The cost of disconnection and reconnection shall be borne by the property owner and shall be payable to the City before any reconnection is made.

- 12.8 No person shall make a sewer connection without first applying on the proper City supplied forms complete with plans as required, all applicable fees and signed application form. The owner of the property to be served, or the owner's agent shall sign the application, and the owners shall be responsible for the completeness and accuracy of the information furnished on such application and plans.
- 12.9 A sewer connection on public property between the sewer main and private property shall be installed by the Owner or Agent at the expense of the owner on conditions and to specifications determined from time to time by the City. Sewer connections on private property shall be installed by the owner pursuant to a plumbing permit having been previously issued for such purpose by the City and at the expense of the owner.
- 12.10 Methods and materials used in the construction of sewer connections shall resist entry of roots and acid or alkali damage, and otherwise in accordance with requirements determined by the City from time to time.
- 12.11 No person shall install double municipal sewer connections servicing two or more properties. A single set of service connections will be allowed for a property with multiple units, subject to the approval of the City.
- 12.12 A private sanitary sewer connection shall not be connected until:
- 12.12.1 The municipal sewer to which the municipal sewer connection is made is fully completed and accepted for operation;
- 12.12.2 The municipal sewer connection is satisfactorily installed;
- 12.12.3 The backfilling is properly completed around the building and the lot has been sufficiently graded to eliminate the possibility of any ponding on the property and the sub flooring has been installed over the foundation to prevent the entry of storm water which could run off through the private sewer connection; and
- 12.12.4 All existing surface water in the excavation or basement has been pumped out.
- 12.13 In the event that any person constructs a municipal sewer connection in a manner other than provided for herein, the City may order the excavation of the connection for the purpose of inspection and testing, and if necessary, reconstruction of the work, and the City may have these works performed at the expense of the owner or disconnect the said sewer connection, in which case it shall not be reconstructed except with the approval of the City.
- 12.14 No person shall backfill, bury or close in any works relating to sewer or storm in the City property without inspection and approval.

- 12.15 The owner of any building erected upon lands that abut a street which is not serviced by a storm sewer shall construct a down-pipe from the eaves trough that shall discharge the water at grade with provisions to prevent soil erosion and shall conduct the storm water away from the building in such a manner that the storm water will not accumulate at or near the building and will not adversely affect adjacent properties.
- 12.16 In case of storm sewers, subsection 12.5.1 shall not apply:
- 12.16.1 Where a building or structure located upon a lot on which any portion of the roof elevation is lower than the street elevation at the front or side thereof;
- 12.16.2 Where a storm sewer has been constructed at such an elevation that the connection from a roof drain or from the weeping drain cannot be connected with an adequate fall for proper drainage;
- 12.16.3 Where a building or structure is constructed adjacent to a watercourse, provided the roof drains from such building or structure are directed to the watercourse subject to approval of the City and the Grey Sauble Conservation Authority; or
- 12.16.4 Where the building or structure has adequate potential to manage storm water on site, except where connections are necessary to provide an overflow route.
- 12.17 Where a catch basin has been installed on private property to drain storm water from any driveway, which slopes towards any structure located on said property, the installation shall include:
- 12.17.1 A flap gate backwater valve installed directly downstream of the private catch basin, so that no storm water may back-up from the storm sewer into the private catch basin;
- 12.17.2 A sump pump, located in the overflow sump, to discharge any storm water which has collected in the catch basin while the above flap gate backwater valve has closed to prevent a back-up of storm water; and
- 12.17.3 A flap gate backwater valve installed on the subsurface drainage pipe lead adjacent to the sump pit, so that no storm water may flow from the sump pit into the subsurface drainage pipe system.
- 12.18 Flap gate backwater valve and sump pumps required pursuant to subsection 12.17 shall be installed and maintained by the owner or operator of the premises at their expense.
- 12.19.1 The owner of any building which has a roof water leader discharging storm water, either directly or indirectly, into the sanitary sewer connection shall disconnect the down-pipe from the underground portions at grade and shall conduct the storm water away from the building in such a manner that the storm water will not accumulate at or near the building and will not adversely affect the adjacent properties.
- 12.19.2 For the purposes of this section:
- 12.19.2.1 **“directly”** shall mean by any physical connection or series of connections between the roof water leader and the sanitary sewer system; and

- 12.19.2.2 **“indirectly”** shall mean in any manner whatsoever whereby storm water enters the sanitary sewer system, and for the greater certainty includes any situation where open joints in underground sewer connections on private property permit storm water to infiltrate the sanitary sewer system.
- 12.19.3 An owner may request an inspection by means of an excavation or closed circuit television inspection of any existing municipal sewer connection by the City. The owner shall deposit a sum of money with the City, the amount of which shall from time to time be determined by the City with respect to the inspection. If upon inspection a structural problem is found in the City portion of the connection, the deposit will be refunded.
- 12.19.4 If, as a result of the inspection pursuant to subsection 12.19.3, the City determines that the infiltration of storm water into the sanitary or combined sewer system occurs solely as a result of a structural problem in the City’s portion of the connection, the provisions of subsection 12.19.1 will not apply to the owner with respect to the premises in relation to which the inspection was performed.
- 12.19.5 If, as a result of inspection pursuant to subsection 12.19.3, the City determines that the infiltration of storm water into the sanitary or combined sewer system occurs as a result of structural problems in both the City’s portion of the connection and the owner portion of the connection, the provisions of subsection 12.19.1 will not apply to the owner with respect to the premises in relation to which the inspection was performed, and the deposit will be refunded if the owner completes repairs to the owner’s portion of the connection to correct deficiencies in that portion of the connection identified in the inspection.
- 12.20.1 No owner of industrial, commercial or institutional premises shall do anything which may increase peak flow rates of storm water, or impair the quality of storm water discharged to a sewer.
- 12.20.2 The direct connection of any new private drainage works to the municipal storm sewer system is prohibited without prior approval of the City which approval may be given by the City where, in the opinion of the City, there is no practical alternate means of drainage available.
- 12.20.3 Before considering a request for an approval, pursuant to subsection 12.20.2, the owner or operator of commercial, institutional or industrial premises may be required to submit to the City, a Storm water Management Report identifying the storm water quantity and quality control measures being proposed for the site. The Storm water management report ought to be prepared by qualified Professional Engineer licensed to practice in Ontario and experienced in the preparation of Storm water Management Reports.
- 12.20.4 If a municipal storm sewer system fronts the property of a building the owner of the building may construct, in addition to the above noted installation, a direct connection to the municipal storm water system. The direct connection must have a flap backwater check valve installed in the portion of the piping that is directly connected to the storm water connection. This flap backwater check valve is intended to prevent the entry of water into the building owner’s perimeter drainage system. In these cases there will be a dual drainage system present of which under normal conditions the direct storm water connection will provide perimeter drainage. During conditions in which the storm sewer is

surcharged the sump pump installation will provide perimeter water removal.

- 12.20.5 All new buildings, expansion of existing buildings and major renovations for residential, as determined by the City's Engineering Service Manager, shall have storm sewer connections to the City's existing storm sewers complete with backwater valve or to a secure surface drainage swale/ditch system, approved by the City's Manager of Engineering Services and in accordance with City standard drawings. No connection to the sanitary sewer collection system shall be allowed. This storm sewer connection shall be installed at the owners expense to provide an outlet for all foundation and sub-surface weeping tile drainage systems by means of gravity or pumped sewer piped system. (Refer Drawing No: S1).
- 12.20.6 All new buildings, expansion of existing buildings and major renovations for industrial, commercial, institutional or multi-unit residential zoned properties, as determined by the City's Manager of Engineering Service, shall have storm sewer connections to the City's existing storm sewers complete with backwater valve or to a secure surface drainage swale/ditch system, approved by the City's Manager of Engineering Service. No connection to the sanitary sewer collection system shall be allowed. This storm sewer connection shall be installed at the owners expense to provide an outlet for all foundation and sub-surface weeping tile, surface and roof drainage systems by means of gravity or pumped sewer piped system.
- 12.20.7 No direct or indirect interconnection between the private storm drain system and the sanitary drainage system are permitted.
- 12.20.8 The groundwater drainage system set out in subsection 12.20 shall be installed and maintained by the owner or operator of the premises, at their sole expense.
- 12.21.1 No person shall construct, install, maintain, or cause or permit to be constructed, installed, or maintained, drainage from any roof water leader or downspout that conveys storm water from a new free standing building directly or indirectly to a sanitary, combined or storm sewer connection for the purpose of storm water drainage. Storm water shall be discharged at grade away from building in such a manner that the storm water will not accumulate at or near the building and will not adversely affect adjacent properties.
- 12.21.2 An application may be made to the City for an exemption from the provisions set out in subsection 12.21.1.
- 12.22 The wastewater from a swimming pool or wading pool shall not be discharged:
- 12.22.1 Into a storm drainage system;
- 12.22.2 Such that it flows onto an adjoining property;
- 12.22.3 Over a valley/ravine wall; and
- 12.22.4 Such that it may cause erosion or instability of the valley or ravine slope.
- 12.22.5 Wastewater from a swimming pool shall either be transported away by an appropriately licensed waste hauler or be discharged either by way of a temporary connection to the sanitary sewer or by way of controlled discharged to the owner's property until it evaporates or infiltrates into the ground.

- 12.23 Notwithstanding subsection 12.22 the rainwater resting on a tarp, which covers a swimming pool, may be discharged to a storm sewer, subject to section 5 of this By-law.

SECTION 13 - CONFIDENTIAL INFORMATION

- 13.1 All information submitted to and collected by the City that is contained in Waste Audit Surveys, reports, other surveys, monitoring and inspection and sampling activities, will, except as otherwise provided in this section, be available for disclosure to the public in accordance with the Municipal Freedom of Information and Protection of Privacy Act (MFIPPA).
- 13.2 In the event that any person in submitting information to the City in any form, as required under this By-law, where such information is confidential or proprietary or otherwise may be exempt from disclosure under MFIPPA, the person submitting the information shall so identify that information upon its submission to the City and shall provide sufficient details as to the reason for its purported exemption from disclosure.

SECTION 14 - OFFENCES

- 14.1 Subject to subsection 13.2 hereof, any person who contravenes this By-law is guilty of an offence and is liable:
- (a) on a first conviction, to a fine of not more than \$10,000.00; and
 - (b) and on any subsequent conviction to a fine of not more than \$25,000.00
- 14.2 Despite subsection 13.1 hereof, where the person convicted of a contravention of this By-law is a corporation, the corporation is liable:
- (a) on a first conviction, to a fine of not more than \$50,000.00; and
 - (b) and on any subsequent conviction to a fine of not more than \$100,000.00.

SECTION 15 - SEVERABILITY

- 15.1 The terms and provisions of this By-law shall be severable and should any term or provision be found by a court of competent jurisdiction to be legally unenforceable, inoperative or invalid, the remainder of this By-law shall continue to be in full force and effect.

SECTION 16 - BY-LAWS REPEALED

- 16.1 Former City of Owen Sound By-law No. 1992-117 "A By-law to regulate sewage and land discharge to municipal sewers within the City of Owen Sound" is hereby repealed.
- 16.2 Former City of Owen Sound By-law No.1318 "A By-law to regulate the manner of the draining of cellars, sinks, cesspools and septic tanks" is hereby repealed.
- 16.3 Former City of Owen Sound By-law No.1975-15 "A By-law to require roof drain connections to the sanitary sewers to be disconnected" is hereby repealed.

SECTION 17 - EFFECTIVE DATE

17.1 This By-law, shall come into force and effect upon the final passing thereof.

17.2 Industrial Waste Surcharge Agreements and Sanitary Discharge Agreements entered into by the City pursuant to the provisions of the City of Owen Sound By-law No. 1992-117 as amended, and in effect immediately prior to the passage of this By-law, remain in force in accordance with their terms and condition.

FINALLY PASSED AND ENACTED this 20th day of March, 2006.

Signature on File

Mayor

Signature on File

Clerk

APPENDIX 1

APPENDIX 1 TO BY-LAW 2006-034

Subject Sectors

Col - 1	Column 2	Column 3	Column 4
NAICS Code	Description	Audit Due Date	Compliance Due Date
23222	Concrete Pouring and Finishing Work	31-Dec-06	31-Dec-07
311	Food Manufacturing	31-Dec-06	31-Dec-07
31111	Animal Food Manufacturing	31-Dec-06	31-Dec-07
311111	Dog and Cat Food Manufacturing	31-Dec-06	31-Dec-07
311119	Other Animal Food Manufacturing	31-Dec-06	31-Dec-07
311225	Fat and Oil Refining and Blending	31-Dec-06	31-Dec-07
311611	Animal (except poultry) Slaughtering	31-Dec-06	31-Dec-07
311614	Rendering and Meat Processing from Carcasses	31-Dec-06	31-Dec-07
311615	Poultry Processing	31-Dec-06	31-Dec-07
3117	Seafood Product Preparation and Packaging	31-Dec-06	31-Dec-07
31171	Seafood Product Preparation and Packaging	31-Dec-06	31-Dec-07
3121	Beverage Manufacturing	31-Dec-06	31-Dec-07
31211	Soft Drink and Ice Manufacturing	31-Dec-06	31-Dec-07
31212	Breweries	31-Dec-06	31-Dec-07
31213	Wineries	31-Dec-06	31-Dec-07
313	Textile Mills	31-Dec-06	31-Dec-07
31311	Fibre, Yarn and Thread Mills	31-Dec-06	31-Dec-07
3132	Fabric Mills	31-Dec-06	31-Dec-07
31321	Broad-Woven Fabric Mills	31-Dec-06	31-Dec-07
31331	Textile and Fabric Finishing	31-Dec-06	31-Dec-07
31332	Fabric Coating	31-Dec-06	31-Dec-07
3141	Textile Furnishings Mills	31-Dec-06	31-Dec-07
31411	Carpet and Rug Mills	31-Dec-06	31-Dec-07
316	Leather and Allied Product Manufacturing	31-Dec-06	31-Dec-07
31611	Leather and Hide Tanning and Finishing	31-Dec-06	31-Dec-07
31621	Footwear Manufacturing	31-Dec-06	31-Dec-07
32121	Veneer, Plywood and Engineered Wood Product Manufacturing	31-Dec-06	31-Dec-07
321911	Wood Window and Door Manufacturing	31-Dec-06	31-Dec-07
3231	Printing and Related Support Activities	31-Dec-06	31-Dec-07
32311	Printing	31-Dec-06	31-Dec-07
323113	Commercial Screen Printing	31-Dec-06	31-Dec-07
323114	Quick Printing	31-Dec-06	31-Dec-07
323115	Digital Printing	31-Dec-06	31-Dec-07
323116	Manifold Business Forms Printing	31-Dec-06	31-Dec-07
323119	Other Printing	31-Dec-06	31-Dec-07
32312	Support Activities for Printing	31-Dec-06	31-Dec-07
32412	Asphalt Paving, Roofing and Saturated Materials Manufacturing	31-Dec-06	31-Dec-07
324121	Asphalt Paving Mixture and Block Manufacturing	31-Dec-06	31-Dec-07
324122	Asphalt Shingle and Coating Material Manufacturing	31-Dec-06	31-Dec-07
325	Chemical Manufacturing	31-Dec-06	31-Dec-07
32512	Industrial Gas Manufacturing	31-Dec-06	31-Dec-07
3252	Resin, Synthetic Rubber, and Artificial and Synthetic Fibres and Filaments Manufacturing	31-Dec-06	31-Dec-07

32521	Resin and Synthetic Rubber Manufacturing	31-Dec-06	31-Dec-07
3253	Pesticide, Fertilizer and Other Agricultural Chemical Manufacturing	31-Dec-06	31-Dec-07
32541	Pharmaceutical and Medicine Manufacturing	31-Dec-06	31-Dec-07
3255	Paint, Coating and Adhesive Manufacturing	31-Dec-06	31-Dec-07
3256	Soap, Cleaning Compound and Toilet Preparation Manufacturing	31-Dec-06	31-Dec-07
326	Plastics and Rubber Products Manufacturing	31-Dec-06	31-Dec-07
3262	Rubber Product Manufacturing	31-Dec-06	31-Dec-07
32622	Rubber and Plastic Hose and Belting Manufacturing	31-Dec-06	31-Dec-07
32629	Other Rubber Product Manufacturing	31-Dec-06	31-Dec-07
32721	Glass and Glass Product Manufacturing	31-Dec-06	31-Dec-07
327214	Glass Manufacturing	31-Dec-06	31-Dec-07
327215	Glass Product Manufacturing from Purchased Glass	31-Dec-06	31-Dec-07
3273	Cement and Concrete Product Manufacturing	31-Dec-06	31-Dec-07
32731	Cement Manufacturing	31-Dec-06	31-Dec-07
32732	Ready-Mix Concrete Manufacturing	31-Dec-06	31-Dec-07
32733	Concrete Pipe, Brick and Block Manufacturing	31-Dec-06	31-Dec-07
32739	Other Concrete Product Manufacturing	31-Dec-06	31-Dec-07
3312	Steel Product Manufacturing from Purchased Steel	31-Dec-06	31-Dec-07
33121	Iron and Steel Pipes and Tubes Manufacturing from Purchased Steel	31-Dec-06	31-Dec-07
332	Fabricated Metal Product Manufacturing	31-Dec-06	31-Dec-07
33211	Forging and Stamping	31-Dec-06	31-Dec-07
33271	Machine Shops	31-Dec-06	31-Dec-07
334	Computer and Electronic Product Manufacturing	31-Dec-06	31-Dec-07
3342	Communications Equipment Manufacturing	31-Dec-06	31-Dec-07
33429	Other Communications Equipment Manufacturing	31-Dec-06	31-Dec-07
3363	Motor Vehicle Parts Manufacturing	31-Dec-06	31-Dec-07
33633	Motor Vehicle Steering and Suspension Components (except Spring) Manufacturing	31-Dec-06	31-Dec-07
336612	Boat Building	31-Dec-06	31-Dec-07
4181	Recyclable Material Wholesaler-Distributors	31-Dec-06	31-Dec-07
41811	Recyclable Metal Wholesaler-Distributors	31-Dec-06	31-Dec-07
41812	Recyclable Paper and Paperboard Wholesaler-Distributors	31-Dec-06	31-Dec-07
41819	Other Recyclable Material Wholesaler-Distributors	31-Dec-06	31-Dec-07
447	Gasoline Stations	31-Dec-06	31-Dec-07
44711	Gasoline Stations with Convenience Stores	31-Dec-06	31-Dec-07
44719	Other Gasoline Stations	31-Dec-06	31-Dec-07
54192	Photographic Services	31-Dec-06	31-Dec-07
54194	Veterinary Services	31-Dec-06	31-Dec-07
562	Waste Management and Remediation Services	31-Dec-06	31-Dec-07
56211	Waste Collection	31-Dec-06	31-Dec-07
56292	Material Recovery Facilities	31-Dec-06	31-Dec-07
62121	Office of Dentists	31-Dec-06	31-Dec-07

62151	Medical and Diagnostic Laboratories	31-Dec-06	31-Dec-07
622	Hospitals	31-Dec-06	31-Dec-07
722	Food Services and Drinking Places	31-Dec-06	31-Dec-07
72211	Full-Service Restaurants	31-Dec-06	31-Dec-07
72221	Limited-Service Eating Place	31-Dec-06	31-Dec-07
72233	Mobile Food Services	31-Dec-06	31-Dec-07
72241	Drinking Places (Alcoholic Beverages)	31-Dec-06	31-Dec-07
811	Repair and Maintenance	31-Dec-06	31-Dec-07
8111	Automotive Repair and Maintenance	31-Dec-06	31-Dec-07
81111	Automotive Mechanical and Electrical Repair and Maintenance	31-Dec-06	31-Dec-07
811111	General Automotive Repair	31-Dec-06	31-Dec-07
81112	Automotive Body, Paint, Interior and Glass Repair	31-Dec-06	31-Dec-07
811121	Automotive Body, Paint and Interior Repair and Maintenance	31-Dec-06	31-Dec-07
81119	Other automotive Repair and Maintenance	31-Dec-06	31-Dec-07
811192	Car Washes	31-Dec-06	31-Dec-07
811199	All Other Automotive Repair and Maintenance	31-Dec-06	31-Dec-07
8122	Funeral Services	31-Dec-06	31-Dec-07
81221	Funeral Homes	31-Dec-06	31-Dec-07
8123	Dry Cleaning and Laundry Services	31-Dec-06	31-Dec-07
81232	Dry Cleaning and Laundry Services (except Coin-Operated)	31-Dec-06	31-Dec-07
81292	Photo Finishing Services	31-Dec-06	31-Dec-07
812922	One-Hour Photo Finishing	31-Dec-06	31-Dec-07

NAICS = North American Industrial Classification System

APPENDIX 2

APPENDIX 2 TO BY-LAW 2006-034

SUBJECT POLLUTANTS

Arsenic	Benzene
Cadmium	Chloroform
Cobalt	1,2-dichlorobenzene
Chromium	1,4-dichlorobenzene
Copper	Cis-1,2-dichloroethylene
Mercury	Trans-1,3-dichloropropylene
Molybdenum	Ethyl benzene
Nickel	Methylene chloride
Lead	1,1,2,2-tetrachloroethane
Selenium	Tetrachloroethylene
Zinc	Toluene
	Trichloroethylene
	Total xylene
	Di-n-butyl phthalate
	Bis (2-ethylhexyl) phthalate
	Alkylphenols
	Alkylphenol ethoxylates
	Aldrin/dieldrin
	Chlordane
	DDT
	Hexachlorobenzene
	Mirex
	PCBs
	3,3'-dichlorobenzidine
	Hexachlorocyclohexane
	Pentachlorophenol
	Total PAHs

APPENDIX 3

APPENDIX 3 TO BY-LAW 2006-034

WASTE AUDIT SURVEY – Short Form

The completion of this form is required by all dischargers to sewage works under Bylaw No. 2004-XX addressing sewer use in the City of Owen Sound.

If you have any questions regarding this form please call Public Works at (519)376-4274.

The completed Waste Audit Survey is to be forwarded to:

The Corporation of The City of Owen Sound
Attention: Environmental Superintendent
808 Second Avenue East
Owen Sound, ON N4K 2H4

Please type or print clearly when completing this form.

Waste Audit Survey – Short Form	
1	Name of Company
2	Address of Company
3	Owner of Property (if different from Company listed above) Phone: Fax:
4	Brief Description of Product / Service / Company Activity Include North American Industry Classification System (NAICS) number. If you do not know this already, you can search the Government Website below to get your appropriate code. http://www.statcan.ca/english/Subjects/Standard/naics/2002/naics02-index.htm

5	Brief Description of the Processes at the premises which use or produce subject pollutants	
6	'Are there' or Will there be' any of the following wastewater discharges from the description as provided in # 5? If yes for any, please provide a brief description.	
	Process Wastewater	Yes / No
	Cooling Water	Yes / No
	Other Sources of Wastewater (other than sanitary)	Yes / No
7	Does the site have any existing connections to the following sewers?	
	Sanitary	Yes / No
	Combined	Yes / No
	Storm	Yes / No
8	Locations of Subject Pollutants , as outlined in Appendix 2 of Bylaw No. 2004-XX in accordance with Sections 2 and 4 of said bylaw, present at premises at any stage of the operations of the premises, including storage inside, outside, above ground and below ground	
	Location of Process Units	Inside / Outside / Outside but covered Above Ground / Below Ground
	Storage of Raw Materials	Inside / Outside / Outside but covered Above Ground / Below Ground
	Storage of Intermediate Products	Inside / Outside / Outside but covered Above Ground / Below Ground
	Storage of Final Products	Inside / Outside / Outside but covered Above Ground / Below Ground
9	Complete List of All Subject Pollutants Used or Produced on Premises. Please use map on reverse to indicate locations of Subject Pollutants .	Type and/or description of storage container(s) each subject pollutant is contained in. (Attach additional sheet(s) of paper if necessary). _____ _____ _____ _____ _____ _____ _____ _____ _____ _____

Map Locations of **Subject Pollutants**, floor drains, sinks, catch basins, storm and sanitary sewers.

1
0

	List Subject Pollutants and Quantity/Concentration (Use additional sheet(s) of paper if necessary)	Discharg ed Directly To Sewer	Discharged Indirectly To Sewer	Not Discharged to Sewer
1				
1				

	Does the site have any of the following programs in place to address discharges to the sewer system?	
1	Pollution Prevention	Yes / No
2	Waste Treatment	Yes / No
3	Best Management Plan	Yes / No
	Environmental Management System	Yes / No
	Other Program / Practises	Yes / No
1	Do you have a Certificate of Approval or Provisional Certificate of Approval?	
3	If yes, please attach a copy with this form.	
1	Regulation 347 Information	
4	Provide any Generator Registration Numbers that the site holds under the requirements of Ontario Regulation 347 under the EPA	

Date Form Completed: _____

Name and Title of Company Representative:

Signature of Authorized Company Representative:

APPENDIX 4

APPENDIX 4 TO BY-LAW 2006-034

WASTE AUDIT SURVEY – Long Form

The completion of this form is required under certain circumstances by Subject Sector Industry dischargers to sewage works under Bylaw No. 2004-XX addressing sewer use in the City of Owen Sound.

If you have any questions regarding this form please call Public Works at (519)376-4274.

The completed Waste Audit Survey is to be forwarded to:

The Corporation of the City of Owen Sound
Attention: Environmental Superintendent
808 Second Avenue East
Owen Sound, ON N4K 2H4

Please note the following:

- Type or print clearly while completing this form
- Additional Information and attachments **are required**
- Indicate what material has been attached to ensure that the City is aware of all the information provided.

Waste Audit Survey – Long Form	
1	Name of Company
2	Address of Company Phone: Fax:
3	Owner of property (if different from Company listed above)
4	General Site Operation Information Number of Employees involved in: Plant: Office: Other: Total: Number of shifts per day: Number of operating days per week:

5	<p>Description of Product(s) or Service</p> <p>Include North American Industry Classification System (NAICS) number. If you do not know this already, you can search the Government Website below to get your appropriate code.</p> <p>http://www.statcan.ca/english/Subjects/Standard/naics/2002/naics02-index.htm</p>
6	<p>Description of the Processes used in Manufacturing or Servicing</p> <p>Include characteristics such as Batch (how many per time period), Continuous, or Both (explanation to be provided), Seasonal Production Cycles, Specific Clean-up Periods and Clean-up Activities</p>
7	<p>Average Daily Water Use and Sources</p> <p>Municipal Supply Yes / No ____m3/day Estimated or Measured</p> <p>Surface Water** Yes / No ____m3/day Estimated or Measured</p> <p>Groundwater* Yes / No ____m3/Day Estimated or Measured</p> <p>Other Sources** Yes / No ____m3/day Estimated or Measured</p> <p>If flow rate varies significantly provide peak flow rates per day and month and explanation.</p> <p>* Provide copy of the Permit to Take Water (as required by the OWRA) according to bylaw requirements.</p> <p>** If 'Yes' – provide explanation as an attachment</p>

8	<p>Discharge Points from Site</p> <p>List all discharge points and average daily flow in cubic metres per day of sanitary, non-contact cooling water, process wastewater, contact cooling water and other discharge water to the sanitary sewer, combined sewer, storm sewer, groundwater, surface water, evaporation losses (if applicable), and percent of water in final product (if significant and applicable to the site).</p> <p>i.e. process wastewater from manufacturing line to sanitary sewer at an average daily flow of 200 m³/day (measured)</p>								
9	<p>Known characteristics of Discharges</p> <p>Provide existing data on quality of the discharges listed above in question # 8 (complete Parameter Information Form for each discharge point as provided with this form)</p>								
10	<p>Physical Layout</p> <ul style="list-style-type: none"> • Provide sketch of property (to scale or approximate) showing buildings, pre-treatment works, property boundaries, effluent lines, and connections to sanitary, combined and storm sewers. • Please identify sewers as listed on the Parameter Information Form as completed above. • Layout may be attached as separate document – leave note to indicate submission with this form. • A flow diagram of the site flows/processes is also required 								
11	<p>Locations of Subject Pollutants, as outlined in Appendix 2 of Bylaw No. <u>2004-XX in accordance with Sections 2 and 4</u> of said bylaw, present at premises at any stage of the operations of the premises, including storage inside, outside, above ground and below ground</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Location of Process Units</td> <td>Inside / Outside / Outside but covered Above Ground / Below Ground</td> </tr> <tr> <td>Storage of Raw Materials</td> <td>Inside / Outside / Outside but covered Above Ground / Below Ground</td> </tr> <tr> <td>Storage of Intermediate Products</td> <td>Inside / Outside / Outside but covered Above Ground / Below Ground</td> </tr> <tr> <td>Storage of Final Products</td> <td>Inside / Outside / Outside but covered Above Ground / Below Ground</td> </tr> </table>	Location of Process Units	Inside / Outside / Outside but covered Above Ground / Below Ground	Storage of Raw Materials	Inside / Outside / Outside but covered Above Ground / Below Ground	Storage of Intermediate Products	Inside / Outside / Outside but covered Above Ground / Below Ground	Storage of Final Products	Inside / Outside / Outside but covered Above Ground / Below Ground
Location of Process Units	Inside / Outside / Outside but covered Above Ground / Below Ground								
Storage of Raw Materials	Inside / Outside / Outside but covered Above Ground / Below Ground								
Storage of Intermediate Products	Inside / Outside / Outside but covered Above Ground / Below Ground								
Storage of Final Products	Inside / Outside / Outside but covered Above Ground / Below Ground								

15	Does the site have any of the following programs addressing discharges to the sewer system in place?	
	Pollution Prevention	Yes / No
	Best Management Plan	Yes / No
	Environmental Management System	Yes / No
	Other Program / Practises	Yes / No
If yes – attach copy of each to form and explanation for implementation		

Date form completed: _____

Name and Title of Company Representative:

Signature of Authorized Company Representative:

Note: The information submitted in this form may be subject to verification by the City of Owen Sound.

(For City of Owen Sound Use Only)	
Date Completed Form Received:	_____
Date Information Verified / Approved:	_____
Approved By (Name and Title of Authorized City Designate):	_____

Signature of Authorized City Designate:	_____
<u>Notes:</u>	

Parameter Information Form for discharges to sanitary and combined sewers

Plant Name and Location:

Date:

Parameter or Condition*	By-law Limit (mg/L)	Average Concentration or Range (in mg/L)	Significant Variation (Yes or No) and Reason for the Variations	Additional Information Attached (Yes or No)
pH level*	6.0 to 10.5			
Two or more layers*	One			
Temperature*	60°C			
B.O.D.	300			
PCB's	0.0001			
Total Suspended Solids	350			
Total Phosphorus	10			
Total Kjeldahl Nitrogen	100			
Solvent Extractables – Oil & Grease (Mineral)	15			
Solvent Extractables – Oil & Grease (Vegetable/Animal)	150			
Total Cyanide	2			
Total Aluminium	50			
Total Antimony	5			
Total Arsenic	1			
Cadmium (hexavalent)	2			
Total Cadmium	0.7			
Total Chromium	2			
Total Cobalt	5			
Total Copper	2			
Total Lead	1			
Total Manganese	5			
Total Mercury	0.01			

Parameter Information Form for discharges to sanitary and combined sewers

Plant Name and Location:

Date:

Parameter or Condition*	By-law Limit (mg/L)	Average Concentration or Range (in mg/L)	Significant Variation (Yes or No) and Reason for the Variations	Additional Information Attached (Yes or No)
Total Molybdenum	5			
Total Nickel	2			
Total Selenium	1			
Total Silver	5			
Total Tin	5			
Total Titanium	5			
Total Zinc	2			
Phenolics (4AAP)	1.0			
Chloroform	0.04			
1,4 – Dichloromethane	0.47			
Methyl Chloride	0.2			
Methylene choride	0.21			
1,1,2,2- Tetrachlorethane	1.4			
Tetrachloroethylene	0.05			
Trichloroethylene	0.07			
Benzene	0.1			
Ethylbenzene	0.16			
1,2- dichlorobenzene	0.05			
1,4- dichlorobenzene	0.08			
Fluoride	10			
Toluene	0.016			
o-Xylene	0.52			

APPENDIX 5

APPENDIX 5 TO BY-LAW 2006-034

Schematic sketch – S1

