

CITY OF ST. THOMAS

BY-LAW NO. 205-91



**A BY-LAW
TO CONTROL
WASTE DISCHARGES
TO
MUNICIPAL SEWERS**

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CITY OF ST. THOMAS

BY-LAW NO. 205-91

A by-law to prohibit and regulate the discharge of sewage, drainage, storm water and industrial waste into the municipal storm and sanitary sewer system and open watercourses.

WHEREAS it is expedient to prohibit and regulate the discharge of sewage including drainage, storm water, industrial wastes and sanitary sewage into the municipal sewerage system pursuant to paragraph 147 of Section 210 of the Municipal Act, Revised Statutes of Ontario, 1980, Chapter 302.

NOW THEREFORE THE COUNCIL of the CORPORATION
OF THE CITY OF ST. THOMAS ENACTS AS FOLLOWS:

SECTION 1

DEFINITIONS

1. In this by-law:

- (a) "acute hazardous waste chemical" means a material which is an acute hazardous waste chemical within the meaning of Ontario Regulation 309 made under the Environmental Protection Act (Ontario);
- (b) "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 is such representative is responsible for the overall operation of the facilities from which the sewage discharge originates;
- (c) "biochemical oxygen demand" means carbonaceous oxygen demand (biochemical) as determined by Method 507 in Standard Methods when an inhibiting chemical has been added to prevent ammonia oxidation;
- (d) "blowdown" means the discharge of recirculating non-contact cooling water for the purpose of discharging materials contained in the water, the further buildup of which would cause concentrations in amounts exceeding limits established by best engineering practices;
- (e) "combined sewer" means a sewer intended to function simultaneously as a storm sewer and a sanitary sewer;
- (f) "commercial waste chemical" means a material which is a commercial waste chemical within the meaning of Ontario Regulation 309 made under the Environmental Protection Act (Ontario);
- (g) "composite sample" means a sample which is composed of a series of grab samples taken at intervals during the sampling period;
- (h) "cyanide (total)" means cyanide as determined by Methods 412B plus one of Method 412C or 412D in Standard Methods;
- (i) "de minimis dose" means a dose of radiation to an individual of .05 millisieverts per year;
- (j) "de minimis waste" means any waste radioactive material that will not result in a dose of radiation exceeding the de minimis does regardless of the quantity of the material or how it is used or managed;
- (k) "fuels" includes (i) any ignitable liquid intended for use as a fuel with a flash point less than 61° Celsius as determined by one of the methods in Ontario Regulation 309 made under the Environmental Protection Act (Ontario) and (ii) gasoline, naphtha, diesel fuel or fuel oil;

- (l) "grab sample" is an aliquot of the flow being sampled taken at one particular time and place;
- (m) "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 system of a type regulated under Part VII of the Environmental Protection Act (Ontario);
- (n) "hazardous industrial waste" means a material which is a hazardous industrial waste within the meaning of Ontario Regulation 309 made under the Environmental Protection Act (Ontario);
- (o) "hazardous waste chemical" means a material which is a hazardous waste chemical within the meaning of Ontario Regulation 309 made under the Environmental Protection Act (Ontario);
- (p) "ignitable waste" means a material which is an ignitable waste within the meaning of Ontario Regulation 309 made under the Environmental Protection Act (Ontario);
- (q) "industrial" shall mean of or pertaining to industry, manufacturing, commerce, trade, business, or institutions as distinguished from domestic or residential;
- (r) "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;
- (s) "Kjeldahl Nitrogen" means organic nitrogen as determined by one of Method 420A or 420B in Standard Methods;
- (t) "matter" includes any solid, liquid or gas;
- (u) "municipality" means The Corporation of the CITY of ST. THOMAS or its designated representative;
- (v) "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;
- (w) "once-through cooling water" means non-contact cooling water that has been circulated once through the cooling device;
- (x) "owner" or "operator" means the owner or operator of any facility or activity subject to the provisions of this by-law;
- (y) "pathological waste" means a material which is a pathological waste within the meaning of Ontario Regulation 309 made under the Environmental Protection Act (Ontario) or any material which may be designated in writing by the Chief Medical Officer of Health (Ontario);
- (z) "PCB" means any monochlorinated or poly-chlorinated biphenyl or any mixture of these or mixture that contains one or more of them;
- (aa) "PCB waste" means a PCB waste within the meaning of Ontario Regulation 148/86 made under the Environmental Protection Act (Ontario);
- (bb) "person" includes an individual, association, partnership, corporation, municipality, Provincial or Federal agency, or an agent or employee thereof;
- (cc) "pesticides" means a pesticide regulated under the Pesticides Act (Ontario);
- (dd) "pH" means the logarithm to the base 10 of the reciprocal of the concentration of hydrogen ions in moles per litre of solution;
- (ee) "phenolic compounds" means those derivatives of aromatic hydrocarbons which have a hydroxyl group directly attached to the ring as determined by one Method 510B or 510C in Standard Methods;

- (ff) "phosphorus" means total phosphorus as determined by both Method 424C plus one of method 424D, 424E, 424F, or 424G in Standard Methods;
- (gg) "reactive waste" means a material which is a reactive waste within the meaning of Ontario Regulation 309 made under the Environmental Protection Act (Ontario);
- (hh) "sanitary sewer" means a sewer for the collection and transmission of domestic, commercial, institutional and industrial sewage or any combination thereof;
- (ii) "severely toxic material" means any material listed in Schedule 3 of Ontario Regulation 309 made under the Environmental Protection Act (Ontario);
- (jj) "sewage" means any liquid waste containing animal, vegetable or mineral matter in solution or in suspension, except uncontaminated water;
- (kk) "sewage works" means any works for the collection, transmission, treatment or disposal of sewage, or any part of such works;
- (ll) "SIC code" means Standard Industrial Classification Code contained in either the Standard Industrial Classification Manual published by the Minister of Supply and Services Canada, 1980 (Canadian SIC) or the Standard Industrial Classification Manual published by the Executive Office of the President, Office of Management and Budget, 1972 (U.S. SIC);
- (mm) "solvent extractable matter of animal or vegetable origin" means grease and oil as determined by Methods 503A, 503B, 503C, or 503D in Standard Methods;
- (nn) "solvent extractable matter of mineral or synthetic origin" means grease and oil as determined by Method 503E in Standard Methods;
- (oo) "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 Pollution Control 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;
- (pp) "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;
- (qq) "stormwater" means water from rainfall or other natural precipitation or from the melting of snow or ice;
- (rr) "suspended solids" means solid matter in or on a liquid which matter is removable by filtering and dried at 103-105°C as determined by Method 209C in Standard Methods;
- (ss) "uncontaminated water" means water to which no matter has been added as a consequence of its use, or to modify its use, by any person;
- (tt) "waste disposal site leachate" means leachate from any waste disposal site; and
- (uu) "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.

SECTION 2

DISCHARGES TO SANITARY SEWERS

DISCHARGES TO COMBINED SEWERS

- 2(1) No person shall discharge 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 sanitary sewer or combined sewer:
1. matter of any type or at any temperature or in any quantity which may be or may become 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), or which may cause the sludge from sewage works to fail to meet the criteria relating to contaminants for spreading the sludge on agricultural lands under Ontario's Guidelines for Sewage Sludge Utilization on Agricultural Lands (as revised January, 1986) unless the person has been advised in writing by the operator of the sewage treatment works that the sludge from the sewage treatment works will never be used on agricultural lands, or which may interfere with the proper operation of a sewage works, or which may impair or interfere with any sewage treatment process, or which is or may result in a hazard to any person, animal, property or vegetation and;
 2. without limiting the generality of the foregoing, any 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, plastics, wood, underground garbage, animal guts or tissues, paunch manure, and whole blood.
 - (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, amine or ammonia in such quantity that may cause an offensive odour.
 - (c) Except in the case of discharge into a combined sewer, stormwater, water from drainage of roofs or land, water from a watercourse or uncontaminated water or water from weeping tile and foundation drains.
 - (d) Water other than stormwater that has originated from a source separate from the water distribution 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 solvent extractable matter of mineral or synthetic origin.
 - (h) Sewage containing more than 150 milligrams per litre of solvent extractable matter 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 containing any of the following in excess of the indicated concentrations;

1500 milligrams/litre

Chlorides expressed as Cl
Sulphates expressed as SO₄

50 milligrams/litre

Aluminum expressed as Al
Iron expressed as Fe

10 milligrams/litre

Fluorides expressed as F

5 milligrams/litre

Antimony expressed as Sb
Bismuth expressed as Bi
Chromium expressed as Cr
Cobalt expressed as Co
Lead expressed as Pb
Manganese expressed as Mn
Molybdenum expressed as Mo
Selenium expressed as Se
Silver expressed as Ag
Tin expressed as Sn
Titanium expressed as Ti
Vanadium expressed as V

3 milligrams/litre

Copper expressed as Cu
Nickel expressed as Ni
Zinc expressed as Zn

2 milligrams/litre

Cyanide (total) expressed as CN

1 milligram/litre

Arsenic expressed as As
Cadmium expressed as Cd

0.1 milligrams/litre

Mercury expressed as Hg

- (q) The following materials or sewage containing any of the following in any amount;

Fuels
PCBs
Pesticides
Severely Toxic Materials
Waste Radioactive Materials

- (r) The following materials or sewage containing any of the following in any amount;
Hauled Sewage
Waste Disposal Site Leachate

- (s) The following hazardous wastes in any amount;

Acute Hazardous Waste Chemicals
Hazardous Industrial Wastes
Hazardous Waste Chemicals
Ignitable Wastes
Pathological Wastes
PCB Wastes
Reactive Wastes

- (2) In determining whether the limit with respect to any matter prescribed in subsection 2(1) is contravened, the volume of any water that has been added for the purpose of enabling the limit to be met and of any storm sewer discharges to a combined sewer shall be disregarded for the purposes of calculating whether the limit has been met so that compliance with the limit cannot be attained by dilution.
- (3) Subclauses 2(1) 2.(b) and 2(1) 2.(s) do not apply to prevent the discharge of human waste.
- (4) Subclause 2(1) 2.(d) does not apply to prevent the discharge of:
- (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 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:
- (i) Address of premises where the water is being used;
(ii) Location of the water source; and
(iii) Amount of water being taken.
- (5) Subclause 2(1) 2.(g) does not apply to prevent the discharge of waste radioactive materials where they are being discharged in accordance with a licence from the Atomic Energy Control Board and a copy of the licence has been provided to the municipality or to the discharge of de minimis waste.
- (6) Subclause 2(1) 2.(g) does not apply to prevent the discharge of PCBs when,
- (a) the owner or operator of the premises has a certificate of approval relating to the premises from the Ontario Ministry of the Environment which expressly allows the discharge or written approval from the Director of the Ontario Ministry of Environment which expressly authorizes the discharge from the premises;
- (b) the owner or operator of the premises 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 PCBs; and
- (d) a copy of the certificate of approval or written authorization referred to in clause (a) has been provided to the municipality.

- (7) Subclause 2(1) 2.(r) does not apply to prevent the discharge of waste disposal site leachate when,
- the waste disposal site leachate is being discharged pursuant to a certificate of approval or order relating to the premises under the Environmental Protection Act (Ontario) or the Ontario Water Resources Act which expressly allows the discharge;
 - the owner or operator of the premises has written approval from the municipality which expressly authorizes the discharge from the premises; and discharge from the premises; and
 - a copy of the certificate of approval or written authorization referred to in clause (a) has been provided to the municipality.
- (8) Subclause 2(1) 2.(r) does not apply to prevent the discharge of hauled sewage when,
- the carrier of the hauled sewage is a waste transportation system operating under a licence issued under Part VII of the Environmental Protection Act (Ontario);
 - the carrier has written approval from the municipality which includes a specified time and location for the discharge; and
 - the discharge occurs at the approved time and location.
- (9) Subclause 2(1) 2.(s) does not apply to prevent the discharge of pathological waste that has been decontaminated prior to discharge when,
- the owner or operator of the premises has a certificate of approval from the Ontario Ministry of the Environment which expressly allows the discharge or written approval from the Director of the Ontario Ministry of the Environment which expressly authorizes the discharge from the premises;
 - the owner or operator of the premises has written approval from the municipality which expressly authorizes the discharge from the premises; and;
 - a copy of the certificate of approval or written authorization referred to in clause (a) has been provided to the municipality.

SECTION 3

DISCHARGES TO STORM SEWERS

3(1) No person shall discharge 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.

- matter of any type or at any temperature or in any quantity which may:
 - interference with the proper operation of a storm sewer;
 - obstruct a storm sewer or the flow therein;
 - result in a hazard to any person, animal, property or vegetation;
 - impair the quality of the water in any well, lake, silver, pond, spring, stream, reservoir or other water or watercourse; or
 - result in the contravention of an approval, requirement, direction or other order under the Ontario Water Resources Act or the Environmental Protection Act (Ontario) with respect to the storm sewer or its discharge; and
- without limiting the generality of the foregoing, any of the following:
 - water at a temperature greater than 40 degrees Celsius;
 - water having a pH less than 6.0 or greater than 9.0;
 - water containing more than 15 milligrams per litre of suspended solids;
 - water containing dyes or colouring material which discolour the water;
 - water containing solvent extractable matter or animal or vegetable origin or of mineral or synthetic origin which causes a visible film, sheen or discolouration on the water surface;
 - water containing any of the following in excess of the indicated concentrations:
 - 200 micrograms/litre
 - Chromium expressed as Cr
 - 50 micrograms/litre
 - Zinc expressed in Zn
 - Lead expressed as Pb
 - Nickel expressed as Ni
 - 10 microgram/litre
 - Copper expressed as Cu
 - 1 microgram/litre
 - Cadmium expressed as Cd
 - Mercury expressed as Hg
 - 200 per 100 millilitres
 - Fecal coliforms
 - the following matter in any amount:
 - Sewage
 - Once-through cooling water
 - Blowdown

(h) the following materials in any amount:

Automotive or Machine Oils and Greases
 Fuels
 Paints and Organic Solvents
 PCBs
 Pesticides
 Severely Toxic Materials
 Waste Disposal Site Leachate
 Waste Radioactive Materials

(i) the following hazardous wastes in any amount:

Acute Hazardous Waste Chemicals
 Hazardous Industrial Wastes
 Hazardous Waste Chemicals
 Ignitable Wastes
 Pathological Wastes
 PCB Wastes
 Reactive Wastes

3(2) Subclause 3(1) 2.(g) 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 a certificate of approval or order relating to the premises under the Environmental Protection Act (Ontario) or the Ontario Water Resource 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 certificate of approval or order referred to in clause (a) has been provided to the municipality.

3(3) The provisions of Clause 3(1) 2. apply only to (1) the discharge of stormwater runoff from industrial process areas to a storm sewer, and (2) to any stormwater discharge to a storm sewer to which the matter prohibited by subsection 1 has been added for the purpose of disposing of the matter.

3(4) The provision of Subclauses 3(1) 2.(c), (d), (e), and (f) 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 a certificate of 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 certificate of approval or order has been provided to the municipality; or
- (b) the owner or operator of the premises has written approval from the municipality for a Best Management Practices Plan (BMP) which has been prepared in accordance with Schedule A.

SECTION 4

REPORTS

4(1) Notwithstanding sections 2 and 3, the owner or operator of any industrial premises or class of industrial premises listed in Schedule B 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, combined sewer or storm sewer, after the 1 day of Jan. 1992.

4(2) Subsection (1) does not apply with respect to any industrial premises for which a current Waste Survey Report prepared in accordance with Subsections (3) and (4) has been filed at the municipality.

4(3) The Waste Survey Report shall contain the following information and shall be signed by an authorized representative of the owner or operator:

- (a) name and address of the premises, and names of its owner and operator;
- (b) description of process operations, including waste discharge rates and contaminant concentrations, hours of operation, and Canadian or U.S. Standard Industrial Classification codes;
- (c) a schematic process diagram indicating waste discharge points and wastes descriptions;
- (d) the generator registration number, if any, assigned with respect to the premises under Ontario Regulation 309 made under the Environmental Protection Act (Ontario); and
- (e) 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 under Ontario Regulation 309 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.

4(4) The Waste Survey report shall be in the form attached as Schedule 'C'.

4(5) Where a change occurs in the information required under Clause (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.

4(6) Where a change occurs in any information required under Clauses (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 or in land drainage works, private branch drains or connections to any sanitary sewer, combined sewer or storm sewer, after 60 days after the change occurs unless a new Waste Survey Report has been submitted setting out the change.

SECTION 5**COMPLIANCE PROGRAM**

- 5(1) A compliance program may be issued as set out in subsections (2) to (6) and (9) for the discharge of a non-complying effluent during the period of planning, design, construction or installation of facilities to eliminate the non-compliance.
- 5(2) The owner or operator of industrial premises may submit to the municipality a program to prevent or to reduce and control the discharge or deposit of sewage into or in land drainage works, private branch drains or connections to any sanitary sewer or combined sewer from premises.
- 5(3) The owner or operator of industrial premises may submit to the municipality 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 sewage into or in land drainage works, private branch drains or connections to any storm sewer from the premises.
- 5(4) The municipality may issue an approval for a compliance program to the person who submitted the program.
- 5(5) 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 sewage, 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.
- 5(6) The compliance program shall be in the form attached as Schedule D and, upon recommendation of the Industrial Waste Water Inspector, the Director of Public Works and Engineering is authorized to execute such compliance programs under the authority of this by-law.
- 5(7) A person to whom a compliance program has been issued shall submit a compliance program progress report within 14 days after the scheduled completion date for each activity listed in the compliance program.
- 5(8) The compliance program progress report shall be in the form attached as Schedule E.
- 5(9) Where the operating authority for the sewage treatment plant, land drainage works, or storm sewer which is receiving sewage, uncontaminated water or stormwater from the premises identified in the letter of compliance program is not the municipality, the compliance program does not become effective unless the operating authority has reviewed and approved the compliance program.
- 5(10) A person to whom a compliance program has been issued shall not be prosecuted under section 2 or 3 of this by-law for the discharge or deposit of sewage, uncontaminated water or stormwater containing the matters 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 compliance program is being fully complied with.

11a

SECTION 5.1**EXTRA STRENGTH SEWAGE SURCHARGE AGREEMENT**

5.1(1) The Municipality may authorize an extra strength sewage surcharge agreement to a discharger with a total flow of not more than 1,000 m³ per month, to permit exceedances for any one or more of the following parameters referred to in Section 2(1)2 for the following, where sewage is discharged to a sanitary sewer or combined sewer:

- (a) Biochemical Oxygen Demand;
- (b) Phenolics;
- (c) Solvent Extractables - animal or vegetable in origin;
- (d) Kjeldahl Nitrogen, Total;
- (e) Phosphorus, Total;
- (f) Suspended Solids, Total.

- 5.1(2) The agreement may contain terms and conditions including terms and conditions related to the calculation and payment for the discharge to the sanitary sewer or combined sewer.
- 5.1(3) During the term of the agreement, the discharger is exempt from meeting the limits set out in Section 2(1)2, for the parameter(s) included in the agreement, if all conditions stipulated by the Municipality in the agreement are met.
- 5.1(4) Notwithstanding the conditions in Section 4(5), where a discharger has entered into an extra strength sewage surcharge agreement, any change in the information required in Section 4 must be submitted to the Municipality prior to the change to allow sufficient assessment of the impact of the change on the agreement.
- 5.1(5) The Municipality may terminate the agreement at any time if the sewage discharges fail to comply with any requirements or conditions as outlined in the extra strength sewage surcharge agreement and the termination will be effective within 30 days of the delivery of a written notice sent by registered mail to the discharger's site or head office.

SECTION 6**SAMPLING AND ANALYSIS**

- 6(1) Where 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 the by-law;
- (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 by-law, all tests, measurements, analyses and examinations 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, tin, titanium, vanadium and zinc whose concentration is limited in Subclauses 2(1) 2.(p) and 3(1) 2.(f), the analysis shall be for the quantity of total metal, which includes all metal both dissolved and particulate.

SECTION 7

SPILLS

- 7(1) Every person who discharges 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 or combined sewer shall, if such discharge or deposit is not in the ordinary course of events forthwith notify the municipality or the agency responsible for operating the sewage works receiving the discharge or deposit.
- 7(2) Every person who discharges or deposits or causes or permits the discharge or deposit of uncontaminated water or softwater into or in land drainage works, private branch drains or connections to any storm sewer shall, if such discharge or deposit is not in the ordinary course of events forthwith notify the municipality or agency responsible for managing the land drainage works or storm sewer.
- 7(3) Every person who discharges or deposits or causes or permits the discharge or deposit of any of the items listed in subclauses 2(1) 2.(q) and (s) into or in land drainage works, private branch drains or connections to any sanitary sewer or combined sewer shall, forthwith notify the municipality or the agency responsible for operating the sewage works receiving the discharge or deposit.
- 7(4) Every person who discharges or deposits or causes or permits the discharge or deposit of any of the items listed in subclauses 3(1) 2.(h) and (l) into or in land drainage works, private branch drains or connections to any storm sewer shall forthwith notify the municipality or agency responsible for managing the land drainage works or storm sewer.
- 7(5) For any of the discharges in subsections 7(1), (2), (3) and (4) for which the person is required to forthwith notify the municipality or agency, 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.
- 7(6) Within five days following a discharge to which subsection (5) applies, the person shall submit to the municipality or agency a detailed written report describing the cause of the spill and the actions taken or to be taken to prevent a recurrence.

SECTION 8

GENERAL

- 8(1) The owner or operator of industrial premises with one or more connections to a sewage works shall install and maintain in good repair in each connection a suitable manhole to allow observation and sampling of the sewage and measurement of the flow of sewage therein, provided that where installation of a manhole is not possible, an alternative device or facility may be substituted with the written approval of the Director of Public Works and Engineering of the municipality.
- 8(2) The manhole or alternate device shall be located on the property of the owner or operator of the premises, unless the Director of Public Works and Engineering of the municipality has given written approval for a different location.
- 8(3) Every manhole, device or facility installed as required by subsection (2) shall be designed and constructed in accordance with good engineering practice and the requirements of the municipality, and shall be constructed and maintained by the owner or operator of the premises at his expense.
- 8(4) The owner or operator of industrial premises shall at all times ensure that every manhole, device or facility installed as required by subsection (2) is at all times accessible for purposes of observing and sampling the sewage and measuring the flow of sewage therein.
- 8(5) The municipality may require the owner or operator of industrial premises to install and maintain devices to monitor sewage discharges and to submit regular reports regarding the discharges to the municipality.
- 8(6) For the purpose of the administration of this by-law, a person appointed by council for the purpose may, upon production of his identification, enter any industrial premises, to observe, to measure the flow of sewage to any sewer and to collect any samples required.
- 8(7) No person shall break, 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.
- 8(8) The compliance program contemplated by Section 5 may be terminated by the municipality on 30 days written notice if the discharge of sewage covered by such agreement or compliance program is causing contravention of Clauses 2(1)1. and 3(1)1. of the by-law.
- 8(9) The compliance program contemplated by Section 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.

SECTION 9**OFFENCES**

- 9(1) Every person other than a corporation who contravenes any provision of this by-law 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.
- 9(2) Every corporation which contravenes any provision of this by-law 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.
- 9(3) In this by-law, subsequent conviction means a conviction for an offence which offence occurs after the date of conviction for an earlier offence under this by-law.
- 9(4) This by-law shall become effective and take force on the first day of January 1992.
- 9(5) By-Law 83-69 be and the same is hereby repealed on the first day of January 1992.

READ a First and Second time this 4th day of November A.D., 1991.

READ a Third time and Finally passed this 4th day of November A.D., 1991.


City Clerk


Mayor

SCHEDULE A - BEST MANAGEMENT PRACTICES (BMP) PLAN

A Best Management Practices Plan is a plan agreed to by the municipality with guidance from the Ontario Ministry of the Environment and is developed for activities which are associated with or ancillary to industrial manufacturing or treatment processes. The ancillary sources addressed in BMP plan are material storage areas; loading and unloading areas; plant site runoff; in-plant transfer, process, and material handling areas; and sludge and hazardous waste disposal areas. In general, the BMP Plan will include practices used by industry for pollution control from these source, safety programs, fire protection, protection against loss of valuable raw materials or products, etc. The following elements must be included in a BMP Plan:

General

1. Name and location of facility.
2. Statement of BMP policy and objectives.
3. Review by plant manager.

Specific

1. Establishment of BMP Committee
2. Risk Identification and Assessment
3. Reporting of BMP Incidents
4. Materials Compatibility
5. Good Housekeeping
6. Preventive Maintenance
7. Inspection and Records
8. Security
9. Employee Training

SCHEDULE B - INDUSTRIAL SECTORS

CATEGORY	SIC	SIC (CANADIAN)
Construction Industry	1600-1799	4011-4499
Food and Kindred Products		
Meat	2011-2013	1011
Poultry	2016-2017	1012
Dairy	2021-2026	1041-1049
Fruit and Vegetables	2031-2038	1031-1032
Grain Mills	2041-2048	1051-1059
Fats and Oils	2074-2079	1061
Bakery Products	2051-2052	1071-1072
Sugar Processing	2061-2067	1081-1089
Beverages	2082-2087	111-1141
Seafood Processing	2091-2092	1021
Misc. Food Processing	2095-2099	1091-1099
Tobacco	2110-2141	1211-1221
Textile Mill Products		
Primary Textiles	2211-2269	1800-1899
Textile Products	2271-2299	1900-1999
Apparel & Other Textile Prod.	2311-2399	2441-2400
Lumber and Wood Products		
Timber Products Processing	2411-2499	2511-2599
Wood Preserving	2491	2591
Wood & Metal Furniture Manu.	2510-2599	2611-2699
Paper and Allied Products		
Pulp, Paper & Paperboard Mills	2600-2631	2711-2712
Misc. Converted Paper Products	2640-2655	2731-2799
Building Paper and Board Mills	2661	2713-2719
Printing and Publishing		
Chemicals and Allied Products		
Inorganic Chemicals Manufact.	2810-2819	3711
Phosphate Manufacturing	2819	3721-3729
Plastics, Resins & Synthetic Fibers M.	2821-2824	3731
Pharmaceutical Manufacturing	2830-2834	3741
Soaps and Cosmetics	2840-2844	3761-3771
Paints, Varnished Manufacture	2851	3751
Gums and Wood Chemicals	2861	3712
Dye Manufacture	2865	3712
Organic Chemicals & Pesticide Man.	2869	3712
Pesticide Formulation	2879	37112
Fertilizer Manufacture	2873-2875	3721-3729
Adhesives and Sealants	2891	3792
Explosives	2892	3711
Ink Manufacture	2893	3791
Chemicals and Allied Products		
Carbon Black	2895	3711
Chemicals & Chemical Prepar.	2899	3711
Petroleum Refining	2911	3611
Paving and Roofing Materials	2951-2952	3699
Coal & Petroleum Products	2991-2999	3612-3698
Rubber and Misc. Plastic Products		
Rubber Products	3011-3069	1500-1599
Plastic Molding	3070-3079	1600-1699
Leather and Leather Products		
Leather Tanning and Finishing	3111	1711
Leather Goods	3131-3199	1712-1719

SCHEDULE B - INDUSTRIAL SECTORS

CATEGORY	SIC	SIC (CANADIAN)
Stone Clay and Glass Products		
Stone, Clay and Glass Products	3200-3299	3511-3599
Asbestos Manufacturing	3292	3592
Glass Manufacturing	3211-3229	3561-3562
Cement Manufacturing	3271-3273	3521-3551
Primary Metal Industries		
Iron and Steel	3300-3317	2911-2921
Foundries	3321-3325	2941
Nonferrous Metals Forming/Manu.	3331-3369	2951-2999
Aluminum Forming	3353-3355	2951
Copper Forming	3351-3357	2959
Misc. Primary Metal Products	3390-3399	2999
Fabricated Metal Products		
Metal Finishing	3411-3469	3011-3099
Electroplating	3471	3011-3099
Coil Coating	3479	3011-3099
Ordinance and Accessories	3482-3489	3011-3099
Misc. Fabricated Metal Products	3490-3499	3011-3099
Equipment and Machinery		
Machinery Manufacturing	3500-3599	3111-3199
Electrical & Electronic Comp.	3612-3690	3311-3399
Battery Manufacturing	3691-3692	3391
Misc. Electrical Equipment	3693-3699	3392-3399
Transportation Equipment	3711-3799	3211-3299
Instruments & Related Products	3811-3873	3911-3914
Misc. Manufacturing	3911-3999	3921-3999
Photographic Chemicals Manu.	3861	
Transportation and Public Service		
Transportation Services	4000-4799	4511-4599
Electricity Generation & Dist.	4911-4931	4911
Water Supply	4941	4931
Waste Treatment and Disposal	4952	4999
Refuse Systems	4953	4999
Hazardous Waste Treaters	4953	4999
Wholesale and Retail Industry		
Petroleum Products Dealers	5983-5989	5111
Automobile Wrecking	5015	5911
Barrel and Drum Reclaimers	5085	5919
Scrap and Waste Materials	5093	5919
Solvent Reclaimers	5093	5919
Waste Oil Reclaimers	5093	5919
Services		
Furniture Refinishing	7641	6213
Gasoline Service Stations	5541	6331
Automotive Repair	7532-7549	6351-6399
Photographic Services	7384	6571
Hospitals and Clinics	8062-8072	8611-8619
Industrial and Commercial Laundries	7211-7219	9721-9729
Funeral Services	7261	9731
Disinfecting and Exterminating	7342	9951
Building Maintenance	7349	9952-9959

SCHEDULE C - WASTE SURVEY REPORT**WASTE SURVEY REPORT****CITY OF ST. THOMAS WASTE SURVEY REPORT****SECTION 1 - GENERAL INFORMATION**

(a) Name of Person Submitting Report: _____

(company name, corporation, owner)_____
(telephone number)_____
(postal address)_____
(postal code)

(b) Company Officer responsible for effluent control:

(Name)_____
(telephone Number)

(c) Location of Premises:

(number, street, or road, municipality)**THE INFORMATION CONTAINED IN THIS REPORT TO THE BEST OF MY KNOWLEDGE AND BELIEF IS TRUE, COMPLETE AND ACCURATE.**_____
(authorized representative)_____
(title)_____
(date)**SCHEDULE C - WASTE SURVEY REPORT
SECTION 2 - PRODUCT OR SERVICE INFORMATION**(a) Canadian or Standard Industrial Classification Codes (SIC)
(See attached sheets)_____
_____These are Canadian SICs or SICs(b) Brief description of manufacturing or service activities:
(starting from raw materials)_____

_____(c) Principal products produced or services rendered:
(noting any intermediate stages)_____

(d) Number of employees:

plant: _____ office: _____

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

(f) Are major processes:

 batch continuous both

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

(g) Is the production subject to seasonal variation:

 yes no

If yes, briefly describe seasonal production cycle:

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

If yes, briefly describe clean-up period activities:

SCHEDULE C - WASTE SURVEY REPORT
SECTION 3 - WASTE CHARACTERISTICS

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(a) List all sources of water supply:

(b) Amount of water consumed per month: _____

(c) Type of waste discharged (check all that apply):

TYPE	AVERAGE FLOW/DAY
<input type="checkbox"/> sanitary	_____ <input type="checkbox"/> estimated <input type="checkbox"/> measured
<input type="checkbox"/> noncontact cooling	_____ <input type="checkbox"/> estimated <input type="checkbox"/> measured
<input type="checkbox"/> contact cooling	_____ <input type="checkbox"/> estimated <input type="checkbox"/> measured
<input type="checkbox"/> process	_____ <input type="checkbox"/> estimated <input type="checkbox"/> measured
<input type="checkbox"/> other	_____ <input type="checkbox"/> estimated <input type="checkbox"/> measured

(d) If flow was measured, briefly describe location:

(e) Waste are discharged to (chace all that apply):

TYPE	AVERAGE FLOW/DAY
<input type="checkbox"/> sanitary # 1	_____ <input type="checkbox"/> estimated <input type="checkbox"/> measured
<input type="checkbox"/> sanitary # 2	_____ <input type="checkbox"/> estimated <input type="checkbox"/> measured
<input type="checkbox"/> storm sewer # 1	_____ <input type="checkbox"/> estimated <input type="checkbox"/> measured
<input type="checkbox"/> storm sewer # 2	_____ <input type="checkbox"/> estimated <input type="checkbox"/> measured
<input type="checkbox"/> ground water	_____ <input type="checkbox"/> estimated <input type="checkbox"/> measured
<input type="checkbox"/> surface water	_____ <input type="checkbox"/> estimated <input type="checkbox"/> measured
<input type="checkbox"/> evaporator	_____ <input type="checkbox"/> estimated <input type="checkbox"/> measured

(attach additional list as necessary)

(f) If flow was measured, briefly describe location:

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

(h) Modes of storage and disposal for products and wastes:

(i) Is there a contingency plans for spills active:
 yes no
If yes, briefly describe the plan:

(j) List all equipment owned to deal with the contingency plans for spills:

SCHEDULE C - WASTE SURVEY REPORT
SECTION 4 - PHYSICAL LAY-OUT

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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).

SCHEDULE C - WASTE SURVEY REPORT
SECTION 5 - REGULATION 309 INFORMATION

For waste discharged into or in connections to any sanitary sewer or combined sewer or storm sewer.

(a) Generator registration number: _____

SCHEDULE C - WASTE SURVEY REPORT
SECTION 6 - REGULATION 309 INFORMATION

For waste discharged into or in connection to any sanitary sewer or combined sewer or storm sewer (complete Section 6 for each sewer).

(a) Description of waste: _____

(b) Description of generating process: _____

(c) Primary characteristic: _____

Analytical data (if applicable): _____

Name of laboratory (if applicable): _____

Waste Class: _____ Hazardous Waste Number: _____

(d) Secondary characteristics: _____

Analytical data (if applicable): _____

(e) Attach a copy of all Material Safety Data Sheets which are pertinent to the operation process.

(f) Attach a copy of the Schedule "A" for which acknowledges your waste registration as prescribed by Section 15(4) of Ontario Regulation 309.

SCHEDULE C - WASTE SURVEY REPORT
SECTION 7 - PRETREATMENT

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

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

SCHEDULE C - WASTE SURVEY REPORT
SECTION 8 - POLLUTANT INFORMATION SHEET (CONTROLLED MATTER)

Information for: sanitary sewer storm sewer

Sewer number: _____

Sewer location (be specific): _____

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", "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. phosphr.	<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. mangnes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
13. molybd.	<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 (anim/veg.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
30. oil & grease (min./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"/>	_____

(a) Describe in detail sampling location: _____

(b) Describe technique used in sampling (check one):

- grab sample
 composite sample (24,12,8)
 other _____

(c) Number of times analysis are completed annually: _____

SCHEDULE C - WASTE SURVEY REPORT
SECTION 9 - POLLUTANT INFORMATION SHEET (NO DISCHARGE)

Information for: sanitary sewer number: _____

(a) Describe in detail, sanitary sewer location: _____

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

PARAMETER	KNOWN PRESENT	SUSPECTED PRESENT	KNOWN ABSENT	SUSPECTED ABSENT	QUANTITY
pesticides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
acute hazd. waste chemical	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
fuels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
hazd. industrial wastes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
hazd. wastes chemicals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
ignitable wastes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
pathological wastes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
PCB waste	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
reactive wastes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
severely toxic materials	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
waste radioactive materials	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

(b) Describe in detail sampling location: _____

(c) Describe the technique used in sampling (check one):

- grab sample
- composite sample (24, 12, 8 hour)
- other _____

(d) Number of times analysis are completed annually: _____

(e) Is this industry aware of the contents of the Municipal By-Law 205-91, to prohibit and regulate the discharge of sewage including drainage, storm water, industrial waste and sanitary sewage into the Municipal sewerage systems:

yes no

(f) Is a copy of the Municipal By-Law 205-91 required:

yes no

SCHEDULE D - LETTER OF COMPLIANCE PROGRAM

LETTERHEAD

Address: _____ Date: _____

Attention of: _____

COMPLIANCE PROGRAM NUMBER _____

In accordance with the provision of Section 5 of The Municipality of the City of St. Thomas

By-law 205-91, you are hereby granted a compliance program for the attached program

subject to the following conditions:

1. During the period covered by this compliance program only, the quality of the _____ (sewage, uncontaminated water, or storm water) 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 By-law 205-91 with respect to the parameters listed below provided that they shall not exceed the

following limits at any time:

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

1. 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 listed in Item 1 shall constitute a contravention of this compliance program and thus a contravention of the said by-law.

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 Sewage Sludge Utilization on Agricultural Lands (as revised January, 1986); 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 By-law No. 205-91 in any way other than as provide herein.

(The above clauses should be appropriately changed if the compliance program is being issued for the discharge of stormwater).

- 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:

<u>COMPLIANCE PROGRAM ACTIVITIES</u>	<u>SCHEDULED COMMENCEMENT DATE</u>	<u>SCHEDULED COMPLETION DATE</u>
a) Select Engineer	_____	_____
b) Engineering Investigation of Plant Conditions (Industrial Process Review and Wastewater Characterization)	_____	_____
c) Select Treatment Process & Design Criteria (Treatability Studies)	_____	_____
d) Detailed Design of Treatment System (Plans & Specs.)	_____	_____
e) Preparation of Operations Manual	_____	_____
f) Select Contractor for Installation/Construction	_____	_____
g) Commence Construction		
i. Site Preparation (survey, excavation, etc.)	_____	_____
ii. Foundation Work & Under-ground Utilites (slabs, sewer, etc.)	_____	_____
iii. Structural Work (bldg., etc.)	_____	_____
iv. Mechanical Work (control panels, etc.)	_____	_____
v. Electrical Work (control panels, etc.)	_____	_____
vi. Site Finish Work (fences, clean-up, etc.)	_____	_____
h) Pretreatment System Start Up	_____	_____

- 6. You must, however, take all necessary steps to ensure that all other conditions and parameters listed in the By-law 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.

Municipal Officer

Signed and Accepted by:

Authorized Representative

Company Name

SCHEDULE E - COMPLIANCE PROGRAM PROGRESS REPORT*

COMPANY NAME: _____

COMPANY ADDRESS: _____

DATE SUBMITTED: _____

AUTHORIZED REP: _____

1. Compliance Program Activity Description: _____

2. Schedule Completion Date for above activity: _____

3. Activity completed on schedule? Yes [] No []

4. If not on schedule, indicated 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 within 14 days after schedule completion of each Activity listed in the Compliance Program.