

BY-LAW NUMBER 4 - 2000  
OF THE CORPORATION OF THE  
MUNICIPALITY OF CHATHAM-KENT

A By-law to control discharges to the municipal sewer system pursuant to the Ontario Municipal Act, R.S.O. 1990, c. M.45, as amended.

FINALLY PASSED the 6th day of March, 2000.

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**Part 1 – Definitions**

1. In this bylaw:
  - (a) “biomedical waste” means biomedical waste as defined in the Ontario Ministry of the Environment Guideline C-4 entitled “The Management of Biomedical Waste in Ontario” dated April 1994, as amended from time to time;
  - (b) “blowdown water” means 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 impair the operation of the system;

- (c) "Chatham-Kent" means Chatham-Kent means the Corporation of the Municipality of Chatham-Kent;
- (d) "combined sewer" means a sewer intended to function as a storm sewer and a sanitary sewer designed to carry sewage, storm water, or uncontaminated water;
- (e) "combustible liquid" means a liquid that has a flash point not less than 37.8 degrees Celsius and not greater than 93.3 degrees Celsius;
- (f) "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 process materials and that has been circulated through the cooling device, but does not include blowdown water;
- (g) "Council" means Council means the Council of the Corporation of the Municipality of Chatham-Kent;
- (h) "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;
- (i) "fuel" means alcohol, gasoline, naphtha, diesel fuel, fuel oil or any other ignitable substance intended for use as a fuel;
- (j) "hauled sewage" means waste removed from a cesspool, a septic tank system, a privy vault or privy pit, a chemical toilet, a portable toilet, or a sewage holding tank;
- (k) "hauled waste" means any industrial/commercial waste which is transported to and deposited into any location in the sewage works excluding hauled sewage;
- (l) "ignitable waste" means a substance that,
  - (a) is a liquid, other than an aqueous solution containing less than 24 per cent alcohol by volume and has a flash point less than 61 degrees Celsius, as determined by the Tag Closed Cup Tester (ASTM D-56-79), the Setaflash Closed Cup Tester (ASTM D-3243-77 or ASTM D-3278-78), the Pensky-Martens Closed Cup Tester (ASTM D-93-79), or as determined by an equivalent test method,
  - (b) 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;
  - (c) 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, c. 34, as amended,

(d) is an oxidizing substance (Class 5, Divisions 1 and 2) as defined in the regulations under the Transportation of Dangerous Good Act, 1992, S.C. 1992, as amended;

(m) "industrial" means of or pertaining to industry, manufacturing, agriculture or food processing, as distinguished from commerce, trade, business, institutions, domestic or residential;

(n) "industrial/commercial" means of or pertaining to industry, manufacturing, commerce, trade, business, or institutions as distinguished from domestic or residential;

(o) "Manager" means the Manager of Water & Wastewater of the PUC;

(p) "PCB" means any monochlorinated or polychlorinated biphenyl or any mixture of them or mixture that contains one or more of them;

(q) "PCB waste" means a PCB waste within the meaning of O.Reg.352, as amended, made under the Environmental Protection Act, R.S.O. 1990 c.E. 19;

(r) "pesticides" means a pesticide regulated under the Pesticides Act, R.S.O. 1990, c.P.;

(s) "plant" means any site capable of discharging to a sewage works covered by this bylaw;

(t) "PUC" means the Public Utilities Commission for the Municipality of Chatham-Kent;

(u) "reactive waste" means a substance that,

- (a) is normally unstable and readily undergoes violent changes without detonating,
- (b) reacts violently with water,
- (c) forms potentially explosive mixtures with water,
- (d) when mixed with water, generates toxic gases, vapours or fumes in a quantity sufficient to present danger to human health or the environment,
- (e) 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,
- (f) is capable of detonation or explosive reaction if it is subjected to a strong initiating source or if heated under confinement,
- (g) is readily capable of detonation or explosive decomposition or reaction at standard temperature and pressure,
- (h) is an explosive (Class 1) as defined in the regulation under the Transportation of Dangerous Goods Act, 1992, S.C. 1992, as amended;

(v) "sanitary sewer" means a sewer for the collection and transmission of domestic, residential, commercial, institutional and industrial sewage or any combination thereof;

- (w) "sewage" means any liquid, solid or gas containing organic, inorganic, animal, vegetable or mineral matter in solution or in suspension but does not include storm water or uncontaminated water;
- (x) "sewage works" means any works for the collection, transmission, treatment or disposal of sewage and contaminated 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 regulations made under clause 75(3)(a) or the Ontario Water Resources Act, R.S.O. 1990, c.O. 40 applies;
- (y) "single grab sample" means a portion of the discharge from or deposit to the sewage works taken at a particular time and place;
- (z) "spill" means a direct or indirect discharge or deposit to the sewage works or the natural environment which is abnormal in quantity in light of all the circumstances of the discharge;
- (aa) "Standard Methods" means The Standard Methods for Examination of Water & Wastewater as prepared by the American Public Health Association, the American Water Works Association and the Water Pollution Control Federation
- (bb) "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;
- (cc) "storm water" means rainwater runoff, water runoff from roofs, flow from foundation drains, snow melt, and surface runoff;
- (dd) "uncontaminated water" means potable water as supplied by the PUC or any other water to which no matter has been added as a consequence of its use;
- (ee) "waste disposal site leachate" means leachate from any waste disposal site;
- (ff) "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 designate as being capable of releasing atomic energy or as being requisite for the production, use or application or atomic energy.

## **Part 2 – Sanitary and Combined Sewer Requirements**

- 2.1 No discharger shall cause or permit the deposit or discharge of sewage into a sanitary or combined sewer in any of the circumstances set out in 2.1.1 to 2.1.4.

- 2.1.1 Sewage which causes or may cause or results or may result in any one or more of the following conditions:

- (a) a health or safety hazard to a sewage works person authorized to operate, maintain, repair or otherwise work on a sewage works;
- (b) a breach of the OWRA or the EPA, as amended from time to time, or any regulation made there under from time to time;
- (c) biosolids from a sewage works to fail, either directly or indirectly as a result of the sewage discharge, to meet the objectives and criteria as set in the 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;
- (d) an obstruction or restriction to the flow of the sanitary sewer or combined sewer;
- (e) an offensive odour to emanate from the sanitary sewer, combined sewer or sewage works;
- (f) damage to the sanitary or combined sewer works infrastructure;
- (g) interference with the operation and maintenance at a sewage works.

2.1.2 Sewage with any one or more to the following characteristics:

- (a) a pH less than 5.5 or greater than 9.5;
- (b) consisting of two or more separate liquid layers;
- (c) having a temperature greater than sixty (60) degrees Celsius.

2.1.3 Sewage containing one or more of the following:

- (a) biomedical waste, except where the sewage meets the conditions for discharge as listed in the Ontario Ministry of the Environment Guideline C-4 entitled "The Management of Biomedical Waste in Ontario" dated April 1994, as amended from time to time;
- (b) combustible liquid;
- (c) fuel;
- (d) hauled sewage, except where:
  - 1) the carrier of the hauled sewage is a waste management system operating under a certificate of approval or provisional certificate of approval issued under the EPA or is exempt from the requirement to have a certificate or provisional certificate of approval;
  - 2) a copy of the most recent certificate or provisional certificate and any amendment is provided to the PUC; and
  - 3) the carrier meets all conditions for discharge that are or may be required from time to time by the PUC;
- (e) hauled waste, except where:
  - 1) the carrier of the hauled waste is a waste management system operating under a certificate of approval or provisional certificate of approval issued under the EPA or is exempt from the requirement to have a certificate or provisional certificate of approval;
  - 2) a copy of the most recent certificate or provisional certificate and any amendment is provided to the PUC;
  - 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
  - 4) the carrier meets all conditions for discharge that are or may be required from time to time by the PUC;
- (f) ignitable waste;
- (g) PCB waste, except where:

- 1) the discharger has a certificate of approval for a mobile site or PCB mobile waste disposal system issued under the EPA or where the discharger is claiming an exemption, the discharger has demonstrated to the PUC that the conditions of the exemption are met;
- 2) a copy of the most recent certificate or provisional certificate and any amendment is provided to the PUC;
- 3) the discharger has written approval from the PUC for the discharge of the PCB waste to the sewage works; and
- 4) all requirement of O.Reg. 352, R.R.O. 1990 are met;

(h) pesticides;

(i) reactive waste;

(j) water radio active prescribed substances, except where:

- 1) the water radioactive prescribed substances are being discharged under a valid and current licence issued by the Atomic Energy Control Board or its successor; and
- 2) a copy of the license has been provided to the PUC; or

(k) waste disposal site leachate, except where:

- 1) the discharger has written approval from Chatham-Kent authorizing the discharge or deposit of the waste disposal site leachate to the sewage works; and
- 2) where a certificate of approval or order has been issued which includes a provision for the disposal of waste disposal site leachate, a copy of the certificate of approval or order is provided to the PUC or where the discharger is claiming an exemption, the discharger has demonstrated to the PUC that the conditions of the exemption are being met;

2.1.4 Sewage containing 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".

2.2 Discharge of cooling water, storm water and uncontaminated water is prohibited to a sanitary sewer except where:

- (a) discharges which have been permitted by Council or its predecessor prior to the enactment of this by-law or discharges which have been regularly made since the enactment date of this by-law are identified to the PUC by the discharger by September 29 2000 and the PUC has provided exemption in writing to the discharger; or
- (b) the discharger has entered into an agreement with Chatham-Kent regarding the discharger prior to any discharge and the discharger is complying with the agreement.

2.3 Discharge of water which originates from a source separate from the potable water supplied by the PUC is prohibited to a combined sewer or sanitary sewer except where the following conditions are met:

- (a) the amount of water, location of the water source, and address of discharger where the water is being used is provided to the PUC;
- (b) in the case where the amount of water taken is greater than 50,000 litres per day and a copy of the Permit to Take Water issued under the OWRA is required, a copy of the Permit to Take Water is provided to the PUC;

- (c) in the case where the discharger is claiming exemption from the requirement to have a certificate of approval, the discharger has demonstrated to the PUC that the conditions are met; and
- (d) the discharger has entered into an agreement with Chatham-Kent regarding the discharge prior to any discharge and the discharger is complying with the agreement.

2.4 A discharger is responsible for all requirements of this by-law in respect of discharges or deposits of sewage, storm water or uncontaminated water into that part of a sewage works over which the discharger has or could have control.

### **Part 3 – Dilution Will Not Cure Non-Compliance**

3.1 Where a discharge fails to comply with any requirement of Part 2 of this by-law the dilution of the discharge with water, or with any other material from any source which is added to sewage for the purposes of dilution, will not bring the discharge into compliance with Part 2.

### **Part 4 – Storm Sewer Requirements**

4.1 Discharge to a storm sewer is prohibited unless all of the following are met:

- (a) the discharge is cooling water or storm water or uncontaminated water;
- (b) the discharge does not interfere with the proper operation of a storm sewer;
- (c) the discharge does not obstruct or restrict a storm sewer or the flow therein;
- (d) the discharge does not result in any hazard or other adverse impact, to any person, animal, property, or vegetation;
- (e) the discharge does not impair the quality of the water in any well, lake, river, pond, spring, stream, reservoir or other water or watercourse;
- (f) the discharge does not contravene or result in the contravention of a certificate or provisional certificate issued under the OWRA or the EPA;
- (g) the discharge does not have one or more of the following characteristics:
  - a) two or more separate layers;
  - b) a pH less than 6.5 or greater than 8.5;
- (h) the discharge does not contain one or more of the following:
  - 1) biomedical waste as defined in the Ontario Ministry of the Environment Guideline C-4 entitled "The Management of Biomedical Waste in Ontario" dated April 1994, as amended from time to time;
  - 2) combustible liquids;
  - 3) fuels;
  - 4) hauled sewage;
  - 5) hauled waste;
  - 6) ignitable waste;
  - 7) PCB waste;
  - 8) pesticides;
  - 9) reactive waste;
  - 10) waste radioactive prescribed substances;
  - 11) waste disposal site leachate; and
- (i) the discharge does not contain contaminants from raw materials, intermediate or final products or wastewater from an industrial/commercial operation.

4.2 A discharger may be required, upon receipt of notice from Council, to complete one or more of the following activities as stated in the notice addressing storm water from the discharger's site:

- (a) a study on storm water quality and/or quantity;
- (b) modification and/or construction of storm water facilities;
- (c) development and implementation of a best management plan;
- (d) adoption and implementation of pollution prevention techniques and measures;
- (e) development and adoption of an environmental management system; or
- (f) any other requirement as specified by Chatham-Kent.

### **Part 5 – Reporting Requirements**

5.1 Prior to any discharge of sewage, storm water, uncontaminated water or any combination thereof, to a sewage works, an industrial discharger is required to complete and return to the PUC one of the following information reports:

- (a) the "Short Discharger Information Report" attached as Form #1, or
- (b) the "Complete Discharger Information report" attached as Form #2 Schedule B1 where:
  - 1) in the sole opinion of the Manager, the discharge may have a significant adverse effect on the sewage works and the Manager has so notified the discharger; or
  - 2) the discharger has or may require an extra strength surcharge agreement or compliance agreement.

5.2 If a discharger was discharging to the sewage works prior to the enactment of this bylaw, the discharger shall comply with the requirements of 5.1 on or before September 29, 2000.

5.3 The requirement in 5.2 do not apply to a discharger if, in the sole opinion of the PUC, adequate information has been provided to and accepted by the PUC prior to the date of enactment of this bylaw and the Manager has so certified in writing.

5.4 All industrial dischargers shall update the information reports bi-annually before September 30 of the year in which report is due.

5.5 All industrial dischargers shall provide written notification to the Manager of any change in their plant or processes that will have a significant effect on the quantity or composition of any discharge of sewage, storm water, uncontaminated water or any combination thereof, to a sewage works, forthwith following the change.

5.6 Where any change in plant or processes will change the composition of any discharge to sewage works to the extent that such discharge will no longer conform to the requirements of this by-law, the discharger shall report the proposed change to the Manager at least 90 days prior to changing or permitting the change to the composition of the discharge, obtain the written consent of the PUC and enter into an extra strength surcharge agreement or a compliance agreement as the PUC may require.

**Part 6 – Discharger Self-Monitoring**

- 6.1 All dischargers shall, as required by the PUC and in accordance with written notification from the Manager, undertake any monitoring or sampling of any discharge to sewage works, and provide the results to the PUC.
- 6.2 The obligations set out in or arising out of 6.1 shall be completed at the expense of the discharger unless the PUC has agreed in writing to share the expense with the discharger.

**Part 7 – Extra Strength Surcharge Agreement**

- 7.1 Council may, upon the recommendation of the Manager, authorize an extra strength surcharge agreement with a discharger to permit exceedances for any one or more of the following parameters set out in Table 1, referred to in 2.1.4, for the following, where sewage is discharged to a sanitary sewer or combined sewer:
  - (a) Biochemical Oxygen Demand;
  - (b) Phenolics (4AAP);
  - (c) Solvent Extractables – animal or vegetable in origin;
  - (d) Kjeldahl Nitrogen, Total;
  - (e) Phosphorus, Total; or
  - (f) Suspended Solids, Total.
- 7.2 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.
- 7.3 During the term of the agreement, the discharger is exempt from meeting the limits set out in the Table referred to in 2.1.4 for the parameter(s) included in the agreement, if all conditions stipulated by Council in the agreement are met.
- 7.4 Where a discharger has entered into an extra strength surcharge agreement, the discharger shall provide written notification to the Manager of any intended change in plant or processes that will have a significant effect on the quantity or composition of the discharge of sewage at least 45 days prior to changing or permitting the change to the composition of the discharge and obtain the written consent of the PUC and enter into a revised agreement.
- 7.5 Council may terminate the agreement at any time, and the termination will be effective within 90 days of the delivery of a written notice to the discharger's site or head office for any of the following reasons:
  - (a) the discharge is causing a health and safety hazard to any person;
  - (b) the discharge is causing damage to the sewers, increasing maintenance costs or causing a dangerous condition;
  - (c) the discharge is causing damage to the sewage treatment process or causing a dangerous condition in the sewage works;
  - (d) the discharge is causing sludge to fail to meet criteria re contaminants for spreading the sludge on agricultural lands according to any provincial guideline for the land application of sewage sludge;

- (e) the discharge is causing the sewage works effluent to contravene any requirement of the sewage works Certificate of Approval, the Ontario Water Resources Act or the Environmental Protection Act;
- (f) the discharge is contrary to the terms of this by-law in any way other than provided for in extra strength surcharge agreement or a compliance agreement;
- (g) for non payment of any fees or charges required by the agreement; or
- (h) for regular and materially late payment of any fees or charges required by the agreement.

### **Part 8 – Compliance Agreement**

- 8.1 Council may, upon recommendation of the Manager, authorize a compliance agreement with a discharger to permit the continuation of non-compliance with one or more conditions in Section 2 of this by-law for a limited period of time specified in the agreement, on the condition that the discharger take all necessary steps to eliminate the non-compliance by the end of the specified period of time.
- 8.2 The agreement shall:
  - (a) be for a fixed term;
  - (b) contain requirements for reporting to the Manager on significant stages in the progress towards compliance as specified in the agreement;
  - (c) contain requirements for regular monitoring of the discharge and reporting to the Manager at the discharger's cost;
  - (d) specify that the discharger shall be responsible for all costs incurred by Chatham-Kent and the PUC for the preparation and administration of the agreement including where necessary consulting and legal fees; and
  - (e) list the condition or conditions identified in 8.1 and include a maximum interim limit for the parameter or parameters covered by the agreement.
- 8.3 During the term of the compliance agreement, the discharger shall be exempt from those parts of Part 2 specified in the compliance agreement provided that all of the conditions of the agreement are met by the discharger.
- 8.4 Council may terminate the agreement at any time, and the termination will be effective within 90 days of the delivery of a written notice to the discharger's site or head office, or such shorter notice period as the Manager may recommend and Council adopt, for any of the following reasons:
  - (a) the discharge is causing a health and safety hazard to any person;
  - (b) the discharge is causing damage to the sewers, increasing maintenance costs or causing a dangerous condition;
  - (c) the discharge is causing damage to the sewage treatment process or causing a dangerous condition in the sewage works;
  - (d) the discharge is causing sludge to fail to meet criteria re contaminants for spreading the sludge on agricultural lands according to any provincial guideline for the land application of sewage sludge;
  - (e) the discharge is causing the sewage works effluent to contravene any requirement of the sewage works Certificate of Approval, the Ontario Water Resources Act or the Environmental Protection Act;

- (f) the discharge is contrary to the terms of this by-law in any way other than provided for in extra strength surcharge agreement or a compliance agreement;
- (g) for non payment of any fees or charges required by the agreement; or
- (h) for regular and materially late payment of any fees or charges required by the agreement.

### **Part 9 – Sampling and Analytical Requirements**

- 9.1 Non-compliance with this by-law may be established through the analysis of a single sample and without limiting the generality of the foregoing, the sample may be a grab sample or a composite sample, may contain additives for preservation and may be collected manually or by using an automatic sampling device.
- 9.2 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.
- 9.3 For each 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, the analyses shall be for the quantity of total metal, which includes all metal, both dissolved and particulate.
- 9.4 In the case of sampling a discharge to a combined sewer, any storm water or uncontaminated water which is discharged at the time of sampling, is not to be considered a component of the sample for determining compliance with 2.1.2 or 2.1.4 of this by-law.

### **Part 10 – Maintenance Access Points**

- 10.1 All dischargers shall, as required by the PUC and in accordance with written notification from the Manager, install maintenance access points or upgrade existing maintenance access points for each connection to the sewage works at the site of the discharger, for the purpose of monitoring or sampling discharges as set out in 9.3.
- 10.2 Maintenance access points required under 10.1 shall be:
  - (a) located on the property of the discharger unless the PUC permits an alternative location;
  - (b) accessible at all times by the PUC;
  - (c) constructed in a manner which meets the standards of the PUC;
  - (d) maintained to ensure access and structural integrity; and
  - (e) maintained and constructed at the expense of the discharger.

### **Part 11 – Spills**

- 11.1 In the event of a spill to a sewage works, the discharger shall immediately notify the PUC at the 24 hour telephone number specified by the PUC, and shall provide any information with respect to the spill which the PUC requires to mitigate the effects on the sewage works of the spill and forthwith complete any work the PUC requires to mitigate the effects on the sewage works of the spill, including if required by the PUC cutting off the flow of the spilled material to the sewage works.

- 11.2 In the event that the discharger fails to complete on a timely basis any work the PUC requires to mitigate the spill, including if required by the PUC cutting off the flow of the spilled material to the sewage works, the PUC may do so and charge the costs thereof to the discharger, and such costs may be collected in like manner as regular sewage and water rates.
- 11.3 The discharger shall provide a written report on the spill to the PUC, within three (3) days after the spill, containing the following information:
  - (a) location where spill occurred;
  - (b) date and time of spill;
  - (c) material spilled;
  - (d) characteristics of material spilled;
  - (e) volume of material spilled;
  - (f) duration of spill event;
  - (g) work completed and/or still in progress in the mitigation of the spill; and
  - (h) preventative actions being taken to ensure the situation does not occur again.

### **Part 12 – Administration**

- 12.1 The PUC shall administer this by-law. In addition to the duties and responsibilities specified elsewhere in this by-law, administration includes:
  - (a) inspection of plants, processes, and discharges;
  - (b) monitoring of discharges;
  - (c) preparation and review of extra strength surcharge and compliance agreements;
  - (d) provision of advice to Council on any and all aspects of sewage discharges including their environmental and financial effects and including the adoption and enforcement of extra strength surcharge and compliance agreements; and
  - (e) collection of all fees and charges provided for by this by-law.

### **Part 13 – Offences**

- 13.1 Any person who contravenes this by-law is guilty of an offence and is liable to fines of not more than \$10,000 upon conviction of a first offence and \$25,000 upon conviction of any subsequent offence.

### **Part 14 – Repeal**

- 14.1 By-law #9506 of the former City of Chatham, By-law #19-1979 of the former Township of Romney, By-law #71-45 of the former Town of Wallaceburg, By-law #833.7 of the former Village of Thamesville, By-law #998-72 of the former Town of Tilbury, By-law #11-90 of the former Town of Blenheim, By-law #20 of 1970 of the former Town of Ridgetown, By-law #2106-76 of the former Township of Tilbury East, By-law #825 of the former Village of Wheatley are repealed.

**Table 1 - Limits for Sanitary and Combined Sewers**

ATG*	Parameter	Limit (mg/L)
1a	Biochemical Oxygen Demand	300
2	Cyanide, Total	2
4aq	Kjeldahl Nitrogen, Total	100
6	Phosphorus, Total	10
8	Suspended Solids, Total	350
9	Cadmium, Total	0.7
	Chromium, Total	5
	Cobalt, Total	5
	Copper, Total	3
	Lead, Total	2
	Molybdenum, Total	5
	Nickel, Total	3
	Silver, Total	5
	Zinc, Total	3
10	Antimony, Total	5
	Arsenic, Total	1
	Selenium, Total	5
12	Mercury, Total	0.05
14	Phenolics (4AAP)	1
16	Chloroform	0.04
	1,4 - Dichlorobenzene	0.47
	Methylene chloride	0.21
	1,1,2,2 - Tetrachloroethane	0.04
	Tetrachloroethylene	0.05
	Trichloroethylene	0.07
17	Benzene	0.01
	Ethylbenzene	0.16
	toluene	0.27
	o-Xylene	0.52
25	Solvent Extractables – mineral or synthetic in origin	15
	Solvent Extractables – animal or vegetable in origin	150
30	Fluoride	10

\*ATG - Analytical Test Group as used and presented in the Protocol referenced in Part 9

**Form #1**

**The Municipality of Chatham-Kent Short Discharger Information Report**

This completion of this form is required by all dischargers to sewage works under Bylaw #\_\_\_\_\_.

If you have any questions on the completion of this form please call 519 436 0119.

The completed form is to be forwarded to:

Please print clearly while completing the form.

1	Name of Company
2	Address of Company  Phone: Fax:
3	Owner of property (if different from Company listed above)  Phone: Fax:
4	Brief description of product or service

5	Brief description of the process(es) used in the manufacturing or servicing			
6	Are there or will there be any of the following wastewater discharges from the processes as described in #5?			
	process wastewater	Yes/No		
	cooling water	Yes/No		
	other sources of wastewater other than sanitary (if yes, provide brief description):	Yes/No		
7	Does the site have any existing connections to the following sewers?			
	sanitary	Yes/No		
	combined	Yes/No		
	storm	Yes/No		
8	Location of process units?	Inside	Outside	Outside but covered
	Storage of raw materials?	Inside	Outside	Outside but covered
	Storage of intermediate products?	Inside	Outside	Outside but covered
	Storage of final products?	Inside	Outside	Outside but covered

9	Does the site have any of the following programs in place to address discharges to the sewer system?	
	Pollution Prevention	Yes/No
	Best Management Plan	Yes/No
	Environmental Management System (ISO 14001 or other system – please specify)	Yes/No
	Other program/practices – please specify	Yes/No

Date form Completed:

Name and Title of Company Representative:

Signature of Authorized Company Representative:

Note: Completion of the "Complete Discharger Information Report" may be required based on this report and/or subsequent verification of the site by the Municipality.

For Municipality use only - date completed form received:

**Form #2**

**The Municipality of Chatham-Kent Complete Discharger Information Report**

This completion of this form is required by all dischargers to sewage works under Bylaw #\_\_\_\_\_.

If you have any questions on the completion of this form please call 519 436-0119.

The completed form is to be forwarded to:

Please print clearly while completing the form.

Additional information and attachments - are required. Please indicate what material has been attached to ensure that the PUC is aware of all the information provided.

1	Name of Company
2	Address of Company  Phone: Fax:
3	Owner of property (if different from Company listed above)  Phone: Fax:

4	Brief description of product or service - Include Standard Industrial Code (SIC) - state if SIC is Canadian or American
5	Brief Description of the process(es) used in the manufacturing or servicing - 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

6	<b>General Site Operation Information</b>				
	Number of Employees involved in:				
	plant:	office:	other:	Total:	
	Number of shifts per day:				
	Number of operating days per week:				
7	<b>Average Daily Water Use and Sources</b> – Specify flows from each source. If flow rate varies significantly provide peak flow rates per day and month and explanation.				
	Municipal Supply	Yes/No	_____ m3/day	Estimated or Measured	
	Surface Water**	Yes/No	_____ m3/day	Estimated or Measured	
	Ground Water*	Yes/No	_____ m3/day	Estimated or Measured	
	Storm Water	Yes/No	_____ m3/day	Estimated or Measured	
	Other sources**	Yes/No	_____ m3/day	Estimated or Measured	
* Provide copy of the Permit to Take Water as required by the OWRA					
** If 'Yes' - provide explanation as an attachment					
8	Location of process units?		Inside	Outside	Outside but covered
	Storage of raw materials?		Inside	Outside	Outside but covered
	Storage of intermediate products?		Inside	Outside	Outside but covered
	Storage of final products?		Inside	Outside	Outside but covered

9	<p><b>Physical Layout</b></p> <p>Provide sketch of property (to scale or approximate) showing buildings, pretreatment works, property boundaries, effluent lines, and connections to sanitary, combined and storm sewers.</p> <p>Layout should be attached as separate document - leave note to indicate submission with this form. A flow diagram of the site flows/processes is also required.</p>								
10	<p><b>Discharge Points from Site</b></p> <p>On an attachment, list the discharge points shown on the Sketch provided for question #9. For each discharge point to the sanitary sewer, combined sewer and storm sewer, specify the average daily flow in cubic metres per day of each of:</p> <ul style="list-style-type: none"> <li>• sanitary</li> <li>• noncontact cooling water</li> <li>• process wastewater</li> <li>• contact cooling water</li> <li>• other discharge water</li> <li>• groundwater</li> <li>• surface water.</li> </ul> <p>e.g.: process wastewater from manufacturing line to sanitary sewer at an average daily flow of 200 m<sup>3</sup>/day (measured).</p> <p>Specify evaporation losses (if applicable), and percent of water in final product (if significant and applicable to the site).</p>								
10	<p><b>Known Characteristics of Discharges</b></p> <p>For each of the discharges listed in # 8 provide existing data on chemical composition of the discharge. Provide this information on the parameter information forms provided with this form. Include copies of laboratory reports.</p>								
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12	<p><b>Physical Layout</b></p> <p>Provide sketch of property (to scale or approximate) showing buildings, pretreatment works, property boundaries, effluent lines, and connections to sanitary, combined and storm sewers.</p> <p>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.</p> <p>Provide a flow diagram of the site flows/processes</p>
13	<p><b>Regulation 347 Information</b></p> <p>Provide Generator Registration Numbers for the disposal of subject waste from the site as required by Ontario Regulation 347 under the EPA.</p>

Date form Completed:

Name and Title of Company Representative:

Signature of Authorized Company Representative:

Note: Completion of the "Complete Discharger Information Report" may be required based on this report and/or subsequent verification of the site by the Municipality.

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