

BYLAW NO. 31-2011

A BYLAW OF STRATHCONA COUNTY IN THE PROVINCE OF ALBERTA TO ESTABLISH TERMS FOR PROVIDING A SEWAGE SYSTEM, INCLUDING CONDITIONS FOR TREATMENT AND DISPOSAL OF SEWAGE.

WHEREAS the *Municipal Government Act*, RSA 2000, c.M-26, provides that Council may establish terms, costs, or charges to provide a municipal utility service to a parcel;

WHEREAS Strathcona County levies and collects such costs or charges established by Council from time to time for sewage services; and

WHEREAS it is deemed necessary and expedient to establish terms for the provision of sewage services:

NOW THEREFORE, THE COUNCIL OF STRATHCONA COUNTY, IN THE PROVINCE OF ALBERTA, DULY ASSEMBLED, ENACTS AS FOLLOWS:

SECTION 1: DEFINITIONS

The definitions contained in the *Safety Codes Act*, RSA 2000, c.S-1 shall be used in construing the sections of this bylaw in addition to the definitions which follow:

- 1.1 **Biochemical Oxygen Demand [B.O.D.]** means the quantity of oxygen required for the biochemical degradation of organic material [carbonaceous demand] and the oxygen used to oxidize inorganic material such as sulfides and ferrous iron during a five day 20 degree celsius incubation period and may measure the oxygen used to oxidize reduced forms of nitrogen, as determined by Standard Methods.
- 1.2 **Biological Waste** means waste from a hospital, medical clinic, health care facility, mortuary or biological research laboratory, which contains or may contain:
 - (a) pathogenic agents that cannot be effectively mitigated by Wastewater treatment, or
 - (b) experimental biological matter that may be hazardous to human health or detrimental to the environment.
- 1.3 **Building Drain** means the lowest horizontal piping that conducts Clearwater Waste, Wastewater, Stormwater or water to a building sewer.
- 1.4 **Building Sewer** means that part of a drainage system outside a building commencing at a point one meter from the outer face of the wall of the building and connecting the building drain to the main sewer and terminating at the property line or place of disposal of Wastewater.
- 1.5 **Catchbasin** means a receptacle for receiving Stormwater and retaining sediment from an exterior area or surface.

- 1.6 **Chemical Oxygen Demand [C.O.D.]** means a measure of the oxygen equivalent of the organic matter content of a sample that is susceptible to oxidation by a strong chemical oxidant, as determined by Standard Methods, method # 5220.
- 1.7 **Clearwater Waste** means water that does not contain Wastewater or Stormwater and to which no substance has been added.
- 1.8 **Commission** means the Alberta Capital Region Wastewater Commission.
- 1.9 **Consumer** means person or persons who receive a supply of the potable water from Strathcona County under the water bylaw.
- 1.10 **County** means Strathcona County.
- 1.11 **Dental Amalgam** – means a dental filling material consisting of an amalgam of mercury, silver and other materials such as copper, tin or zinc.
- 1.12 **Dental Amalgam Separator** means any technology, or combination of technologies, designed to separate dental amalgam particles from dental operation wastewater.
- 1.13 **Director** means the Director of Utilities Department of the County, and includes his designate.
- 1.14 **Director of Financial Services** means the Director of Financial Services of the County.
- 1.15 **Discharge Abatement Order** means a requirement to alter the quantity, composition, timing and/or release of a discharge into a sanitary sewer system to protect the receiving wastewater treatment facility.
- 1.16 **Domestic Wastewater** means waste produced on residential premises, or sanitary waste and wastewater from sanitary facilities produced on a non-residential property.
- 1.17 **Downspout** means a pipe that conveys water from the Roof Run-off Collection System of a building to near the ground surface.
- 1.18 **Engineering Servicing Standards** means the County's Engineering Servicing Standards as approved by Strathcona County Council from time to time.
- 1.19 **Environmental Protection and Enhancement Act** means the *Environmental Protection and Enhancement Act, RSA 2000, c.E-12*, and its regulations.
- 1.20 **Fees and Charges Bylaw** means the County's Fees and Charges for the current year.
- 1.21 **Fixture** means a receptacle, appliance, apparatus or other device that discharges wastewater or clearwater waste and includes a floor drain.
- 1.22 **Garbage** includes the solid wastes from the preparation, cooking and dispensing of food,

and from the handling, storage, and sale of produce.

- 1.23 **Grab Sample** means a sample collected at a particular time and place and may be collected either manually or by using an automatic sampling device.
- 1.24 **Hazardous Waste** means any hazardous substance disposed of or to be disposed of as waste as set out in the *Hazardous Chemicals Act*, RSA 2000, c. H-3, and the Hazardous Waste Regulations of the Province of Alberta, and any successor to that Act or Regulation.
- 1.25 **Health Officer** means the Medical Officer of Health for the County.
- 1.26 **Interceptor** means a receptacle installed to prevent oil, grease, sand and other materials from passing into the Sewage System.
- 1.27 **Matter** means any solid, liquid or gas.
- 1.28 **Non-Domestic Wastewater** – means all wastewater except domestic wastewater, uncontaminated water and septic tank waste.
- 1.29 **Oil and Grease** means any solvent extractable material of animal, vegetable or mineral origin, as determined by Standard Methods, method # 5520.
- 1.30 **Overstrength Surcharge** means the rate per cubic meter of water consumed and charged to a user/consumer who releases Wastewater to the Sewer that exceeds one or more constituent concentrations set out in Schedule "C".
- 1.31 **Owner** means any person who is registered under the *Land Titles Act* as the owner of land, or any other person who is in lawful possession thereof or who is in lawful possession or occupancy of any buildings situated thereon.
- 1.32 **Person** means any individual, firm, company, association, society, corporation or group and the heirs, executors, administrators or legal representatives of a person.
- 1.33 **Phenols** mean the hydroxyl derivatives of benzene and its condensed nuclei, as determined by Standard Methods, method # 5530.
- 1.34 **Private Drainage System** means a privately owned assembly of pipes, fittings, fixtures, traps and appurtenances that is used to convey Wastewater, Clearwater Waste, Stormwater or foundation drainage to a Sewer Service or a Private Wastewater Disposal System.
- 1.35 **Private Wastewater Disposal System** means a privately owned system for the treatment and disposal of Wastewater, and may include a septic tank with an absorption field or other approved means of disposal.
- 1.36 **Prohibited Wastes** means matter set out in Schedule "A" annexed hereto.

- 1.37 **Restricted Wastes** means matter set out in Schedule "B" when applicable to the Wastewater Sewer System.
- 1.38 **Roof Run-off Collection System** means that system of drainage of building roofs which directs Stormwater or snow - meltwater to a Downspout.
- 1.39 **Safety Codes Act** means the *Safety Codes Act*, RSA 2000, c.S-1, and its regulations, or if the *Safety Codes Act* is repealed, the legislation which replaces the *Safety Codes Act*.
- 1.40 **Seasonal Sump Pump Sewer Service** means an approved temporary connection between the Sump Pump Discharge line into the Wastewater Sewer Service line.
- 1.41 **Sewage System** means a sewer or system of sewers or any plant, structures, equipment, pipes, appurtenance or any other things for or incidental to the Wastewater or Storm Sewer collection, treatment or disposal of Wastewater.
- 1.42 **Sewer** means a pipe or conduit for carrying Stormwater, Clearwater Waste or Wastewater.
- 1.43 **Sewer Inspector** ("Inspector") is a person authorized by the Director to perform inspections as per the provisions of this Bylaw.
- 1.44 **Sewer Service** means the County owned pipe that connects the public Sewer to a Private Drainage System.
- 1.45 **Sharps** means hypodermic needles, hypodermic syringes, blades, broken glass and any devices, instruments or other objects, which have acute rigid corners, edges or protuberances.
- 1.46 **Standard Methods** means a procedure or method set out in Standard Methods for the Examination of Water and Wastewater published jointly by the American Public Health Association, American Water Works Association and the Water Environment Federation, recent or latest edition or approved in writing by the Alberta Capital Region Wastewater Commission.
- 1.47 **Storm Sewer** means a Sewer that is installed for the collection and transmission of Stormwater and sub-surface water and Clearwater Wastes.
- 1.48 **Storm Sewer Service** means that part of a Storm Sewer extending from the Storm Sewer to the outer line of any public right-of-way.
- 1.49 **Stormwater** means surface run-off water that is the result of natural precipitation.
- 1.50 **Sump Pump Discharge** means a system, including sump, sump pump and related piping used to convey water collected by a foundation drain.
- 1.51 **Suspended Solids** means the portion of total solids retained by a filter as determined by Standard Methods, method # 2540 D.
- 1.52 **Total Kjeldahl Nitrogen (TKN)** means organically bound nitrogen plus ammonia

nitrogen as determined by using standard methods.

- 1.53 **Utility Bill** means a County Utility service bill which sets out the fees, rates and charges levied by the County on a monthly basis for Sewer Service used by a consumer.
- 1.54 **Wastewater** means the composite of water and water carried wastes from residential, commercial, industrial or institutional premises or any other source.
- 1.55 **Wastewater Sewer** means a Sewer that carries Wastewater and to which Storm, surface and groundwaters are not intentionally admitted.
- 1.56 **Wastewater Treatment Facility** means any structure or thing used for the physical, chemical, biological or radiological treatment of Wastewater, and includes sludge treatment, storage and disposal sites.
- 1.57 **Watercourse** means (a) the bed and shore of a river, stream, lake, creek, lagoon, swamp, marsh or other natural body of water; or (b) a canal, ditch, reservoir or other man-made surface feature whether it contains or conveys water continuously or intermittently.

2: WASTEWATER SEWER REQUIREMENTS

- 2.1 No Person shall uncover, make any connections with or opening into, use, alter or disturb any public Sewer or appurtenances thereof without prior written authorization from the Director.
- 2.2 No Person shall connect private Sewer lines to Wastewater or Storm Sewers without written approval from Director.
- 2.3 In the event that any Sewer Service or private sewer system is abandoned, the Owner, at his expense, shall effectively cap the Sewer at a suitable location within his property in order to prevent Wastewater and Stormwater from backing up into the soil and to prevent soil or dirt from being washed into the Sewer.
- 2.4 Where required by the Director, the Owner of property serviced by a Sewer, shall install a suitable sampling manhole in the Sewer Service for determining the Wastewater quality, temperature, rate of flow and other measurements. Such manhole shall be:
 - 2.4.1 Located and constructed in accordance with the plans approved by an Inspector in accordance with the Engineering Servicing Standards; and
 - 2.4.2 Installed and maintained at all times by the Owner at their own expense.
- 2.5 The Owner of property used for residential or commercial purposes, situated within the County and abutting on any street, lane or right of way in which there is a public Wastewater Sewer shall install, at his/her own expense, suitable toilet facilities therein and shall connect such facilities with the proper Sewer in accordance with the provisions of the *Safety Codes Act* within sixty (60) days of the Health Officer notifying him to do so.

- 2.5.1 Where a public Wastewater Sewer is not available, the Owner of the property described in section 2.5 shall connect the Building Sewer to a Private Wastewater Disposal System which shall comply with the provisions of this Bylaw, the *Safety Codes Act*, and all relevant Federal, Provincial and Municipal legislation.
- 2.5.2 The Owner of any existing building, erection or structure situated within the County and abutting on any street, lane or right-of-way in which a Storm Sewer service is constructed and for which a Storm Sewer service is provided shall connect the foundation drain of the building, erection or structure to the Storm Sewer service within sixty (60) days of the Director notifying the Owner to do so. Where a Sump Pump Collector Sewer service is provided prior to construction of a building, erection or structure the owner shall connect the foundation drain of the building, erection or structure to the service at the time of construction.
- 2.6 At such time as a public Sewer becomes available to the property served by a Private Wastewater Disposal System, the provisions of Section 2.5 shall then apply to the property and a direct connection shall be made to the public Sewer and any septic tanks, cesspools or similar Private Wastewater Disposal System shall be abandoned and filled with suitable material.
- 2.7 All building Downspouts and Sump Pump Discharges shall have a drainage extension securely fastened or placed to direct drainage from a Roof Run-off Collection System or foundation drain toward a street, lane or right-of-way. The Sump Pump Discharge shall be installed by the Owner in such a manner as to comply with all County Bylaws and Policies and other applicable regulatory authorities and without causing excessive ponding or icing on public or private property. The Owner shall be solely responsible for ensuring the Sump Pump Discharge is properly designed, installed and operated. Exceptions may be granted by the Director under extreme circumstances.
- 2.8 Any Sewer Service on private property shall be constructed by the Owner at his expense in conformity with this Bylaw and the *Safety Codes Act*.
- 2.9 Permits for Building Sewers on private property shall be obtained from the County's Planning & Development Services Department and applications for such permits shall be made on approved forms furnished by the County. Permit applications shall be supplemented by any plans, specifications or other information considered necessary by the County's Planning & Development Services Department.
- 2.10 The Owner shall, at his own expense, maintain the Building Sewer from his property line to the building.
- 2.11 The Owner shall, at his own expense, operate and maintain his Private Wastewater Disposal System in a sanitary condition.
- 2.12 Catchbasins on private property shall be maintained by the Owner at his sole cost and expense. Catchbasins initiated on private property shall be installed in conformance with County Engineering standards.

2.13 Where made necessary by the 1984 Engineering Servicing Standards which prohibited the discharge of weeping tile water into the Wastewater Sewer, the County will seek approval from the governing Wastewater Treatment Plant Authority. Once the Water & Wastewater Treatment Plant Authority has provided comment, the Director may approve the Sump Pump Discharge to the Wastewater Sewer for the period of November 1 through to April 30 in each year.

2.14 The costs relating to the construction of a Seasonal Sump Pump Sewer Service will be borne by the County.

2.15 The County's costs relating to the maintenance and repair of a Seasonal Sump Pump Sewer Service connection are an amount owing to the County by the Owner of the property.

2.16 No person shall release, or permit the release of, any matter into the sanitary or combined sewer system wastewater works except:

- (a) Domestic wastewater;
- (b) Non-domestic wastewater that complies with the requirements of this bylaw;
- (c) Hauled wastewater, including septage, that complies with the requirements of this bylaw, or where a Wastewater Discharge Permit has been issued by the Director;
- (d) Storm water, Clearwater waste, subsurface water or other matter where a Wastewater Discharge Permit has been issued by the Director;

2.17 No person shall release, or permit the release of, any prohibited substance listed in Schedule 'A' of this bylaw.

(2.17.1) No person shall release, or permit the release of, any restricted substance which exceeds the respective concentrations listed in Schedule 'B' of this bylaw into the wastewater works.

(2.17.2) All non-domestic and hauled wastewater dischargers shall complete manifest as provided by the County.

2.18 The Director may issue, and amend, a Wastewater Discharge Permit to allow the discharge of non-domestic waste and hauled wastewater into a sewer upon such terms and conditions as the Director considers appropriate and, without limiting the generality of the foregoing, may in the Wastewater Discharge Permit:

- (a) Place limits and restrictions on the quantity, composition, frequency and nature of the waste permitted to be discharged;
- (b) Require the holder of a Wastewater Discharge Permit to repair, alter, remove, or add to works or construct new works; and
- (c) Provide that the Waste Discharge Permit will expire on a specified date, or upon the occurrence of a specified event.

- 2.19 The Director may issue a Discharge Abatement Order to:
- (a) Require a person to alter the quantity, composition, duration and timing of the discharge or cease discharge of non-domestic waste or hauled wastewater to a sewer or wastewater facility;
 - (b) Include any terms or conditions that could be included in a Wastewater Discharge Permit; and
 - (c) Shut down all non-compliant releases.

3: PROHIBITION OF DILUTION

3.1 No person shall discharge directly or indirectly, or permit the discharge or deposit of wastewater into a sanitary sewer or combined sewer works where water has been added to the discharge for the purposes of dilution to achieve compliance with Schedule "A" or Schedule "B" of this bylaw.

3.2 No person shall discharge directly or indirectly, or permit the discharge or deposit of matter into a storm sewer where water has been added to the discharge for the purposes of dilution to achieve compliance with Section 3 of this bylaw.

4: SAMPLING

4.1 Where sampling is required for the purposes of determining the concentration of constituents in the wastewater, storm water or uncontaminated water, the sample may:

- 4.1.1 be collected manually or by using an automatic sampling device; and
- 4.1.2 contain additives for its preservation.

4.2 For the purpose of determining compliance with Schedule B or Section 3, discrete wastewater streams within premises may be sampled, at the discretion of the Director.

4.3 Any single grab sample may be used to determine compliance with Schedules A and B or Section 3.

4.4 All tests, measurements, analyses and examinations of wastewater, its characteristics or contents pursuant to this Bylaw shall be carried out in accordance with "Standard Methods" and be performed by a laboratory accredited for analysis of the particular substance(s) using a method which is within the laboratory's scope of accreditation or to the satisfaction of the Director as agreed in writing prior to sample analysis.

5: DISCHARGER SELF-MONITORING

5.1 The discharger shall complete any monitoring or sampling of any discharge to a wastewater works as required by the Municipality, and provide the results to the Municipality in the form specified by the Municipality.

5.2 The obligations set out in or arising out of 5.1 shall be completed at the expense of the discharger.

6: ADDITIONAL REQUIREMENTS

6.1 Food-Related Grease Interceptors

6.1.1 Every owner or operator of a restaurant or other industrial, commercial or institutional premises where food is cooked, processed or prepared, for which the premises is connected directly or indirectly to a sanitary or combined sewer, shall take all necessary measures to ensure that oil and grease are prevented from entering the sanitary or combined sewer in excess of the provisions of this bylaw. Grease interceptors shall not discharge to storm sewers.

6.1.2 The owner or operator of the premises as set out in this Subsection shall install, operate, and properly maintain an oil and grease interceptor in any piping system at its premises that connects directly or indirectly to a sewer. The oil and grease interceptors shall be installed in compliance with the most current requirements of the applicable Building Code. The installation of the oil and grease interceptor shall meet the requirements of the Canadian Standards Association national standard CAN/CSA B-481 Series-07 consisting of the following standards: CSA B481.0, CSA B481.1, CSA B481.2, CSA B481.3, and CSA B481.4.

6.1.3 All oil and grease interceptors shall be maintained according to the manufacturer's recommendations. The testing, maintenance and performance of the interceptor shall meet the requirements of CAN/CSA B-481. Traps should be cleaned before the thickness of the organic material and solids residuals is greater than twenty-five percent of the available volume; cleaning frequency should not be less than every four weeks. Maintenance requirements should be posted in the workplace in proximity to the grease interceptor.

6.1.4 A maintenance schedule and record of maintenance shall be available to the Director or Inspector upon request for each interceptor installed.

6.1.5 The owner or operator of the restaurant or other industrial, commercial or institutional premises where food is cooked, processed or prepared, shall, for two years, keep the document of proof for interceptor clean-out and oil and grease disposal.

6.1.6 Emulsifiers shall not be discharged to the sewer system into interceptors. No person shall use enzymes, bacteria, solvents, hot water or other agents to facilitate the passage of Oil and Grease through a Grease Interceptor.

6.1.7 In the case of failure to adequately maintain the grease interceptor to the satisfaction of the Director, the Director may require an alarmed monitoring device to be installed, at the expense of the owner, in accordance with specifications of CAN/CSA B-481.

6.2 Vehicle and Equipment Service Oil and Grease Interceptors

6.2.1 Every owner or operator of a vehicle or equipment service station, repair shop or garage or of an industrial, commercial or institutional premises or any other establishment where motor vehicles are repaired, lubricated or maintained and where the sanitary discharge is directly or indirectly connected to a sewer shall install an oil and grease interceptor designed to prevent motor oil and lubricating grease from passing into the sanitary or combined sewer in excess of the limits in this bylaw.

6.2.2 The owner or operator of the premises as set out in Subsection 6.2.1 shall install, operate, and properly maintain an oil and grease interceptor in any piping system at its premises that connects directly or indirectly to a sewer. The oil and grease interceptors shall be installed in compliance with the most current requirements of the applicable Building Code and be maintained as recommended by the Canadian Petroleum Products Institute (CPPI).

6.2.3 All oil and grease interceptors and separators shall be maintained in good working order and according to the manufacturer's recommendations and shall be inspected regularly to ensure performance is maintained to the manufacturer's specifications for performance and inspected to ensure the surface oil and sediment levels do not exceed the recommended level.

6.2.4 A maintenance schedule and record of maintenance shall be produced to the Director or Inspector upon request for each oil and grease interceptor installed.

6.2.5 The owner or operator of the premises as set out in Subsection 6.2.1, shall, for two years, keep the document of proof for interceptor clean-out and oil and grease disposal.

6.2.6 Emulsifiers shall not be discharged to the sewer system into interceptors. No person shall use enzymes, bacteria, solvents, hot water or other agents to facilitate the passage of oil and grease through an oil and grease interceptor.

6.2.7 In the case of failure to adequately maintain the oil and grease interceptor to the satisfaction of the Director, the Director may require an alarmed monitoring device to be installed, at the expense of the owner.

6.3 Sediment Interceptors

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

6.3.2 Catch basins installed on private property for the purposes of collecting storm water and carrying it into the storm sewers shall be equipped with an interceptor and the installation of these catch basins on private property shall comply with the Municipality's Standard Construction Specifications and Drawings, as they may be amended from time to time.

6.3.3 All sediment interceptors shall be maintained in good working order and according to manufacturer's recommendations and shall be inspected regularly to ensure performance is maintained to the manufacturer's specifications for performance.

6.3.4 The owner or operator of a premises as set out in Subsection 6.3.1, shall, for 2 years, keep documentation of interceptor clean-out and sediment disposal.

6.3.5 A maintenance schedule and record of maintenance shall be submitted to the Director upon request for each sediment interceptor installed.

6.4 Dental Waste Amalgam Separator

6.4.1 Every owner or operator of the premises from which dental amalgam may be discharged, which waste may directly or indirectly enter a sewer, shall install, operate and properly maintain dental amalgam separator(s) with at least 95% efficiency in amalgam weight and certified *ISO 11143 – "Dental Equipment: Amalgam Separators"*, in any piping system at its premises that connects directly or indirectly to a sewer, except where the sole dental-related practice at the premises consists of one or more of the following specialties or type of practice:

- (a) Orthodontics and dentofacial orthopaedics;
- (b) Oral and maxillofacial surgery;
- (c) Oral medicine and pathology;
- (d) Periodontics; or
- (e) A dental practice consisting solely of visits by a mobile dental practitioner who prevents any dental amalgam from being released directly or indirectly to the wastewater works.

6.4.2 Notwithstanding Subsection 6.4.1, any person operating a business from which dental waste amalgam is or could be discharged directly or indirectly to a sewer, at premises which are constructed or substantially renovated on or after the date that Section 6.4.1 comes into force, shall install, operate and properly maintain dental waste amalgam separator(s) in any piping system which is connected directly or indirectly to a sewer.

6.4.3 Notwithstanding compliance with Subsection 6.4.1 and 6.4.2, all persons operating or carrying on the business of a dental practice shall comply with Schedule "A" and Schedule "B" of this bylaw.

6.4.4 All dental waste amalgam separators shall be maintained in good working order and according to the manufacturer's recommendations.

6.4.5 A maintenance schedule and record of maintenance shall be submitted to the Director upon request for each dental amalgam separator installed.

6.4.6 The operator of a dental clinic shall, for five years, keep the documents covering amalgam shipment.

7: HAULED WASTEWATER /WASTE

7.1 No person shall discharge hauled wastewater to the wastewater works unless:

- (a) The carrier of the hauled wastewater/waste operating as a waste management system is certified according to all applicable federal and provincial legislation.
- (b) The carrier meets all conditions for discharge that are or may be set from time to time with respect to the haulage of wastewater by the Alberta Capital Region Wastewater Commission and/or the City of Edmonton.

7.2 No person shall discharge or permit the discharge of hauled wastewater at a location other than a hauled wastewater discharge location approved by Alberta Environment.

7.3 All Persons depositing Wastewater at the Clover Bar Wastewater Transfer Station will be subject to the terms of use established in the City of Edmonton Sewers Use Bylaw 9425 as amended.

8: NON-CONTACT COOLING WATER

8.1 The discharge of non-contact cooling water or uncontaminated water to a wastewater sewer or combined sewer from any residential property is prohibited. The discharge of non-contact cooling water or uncontaminated water to a wastewater sewer from industrial, commercial or institutional properties is permissible where:

- (a) In the case of a proposed building, no storm sewer exists adjacent to the building and no opportunity exists to discharge to yard drainage; or
- (b) In the case of an existing building, no storm connection exists to the building.

9: WATER ORIGINATING FROM A SOURCE OTHER THAN THE MUNICIPAL WATER SUPPLY

9.1 The discharge of water originating from a source other than the Municipality water supply, including storm water or groundwater, directly or indirectly to a wastewater sewer works is prohibited, unless:

- (a) The discharge has been granted by the Director; and
- (b) The discharge does not exceed the limits set out under Schedule B, with respect to biochemical oxygen demand, total phosphorus or total suspended solids; or
- (c) In the event the discharge does exceed the limits set out under Schedule B, with respect to any of biochemical oxygen demand, total phosphorus or total suspended solids, the discharge is in accordance with approval from the receiving wastewater treatment facility.

10: SPILLS

10.1 In the event of a spill to a wastewater works and/or storm sewer works, the person responsible or the person having the charge, management and control of the spill shall immediately notify and provide any requested information with regard to the spill to:

- (a) 9-1-1 emergency if there is any immediate danger to human health and/or safety or
- (b) If there is no immediate danger:
 - (i) the Strathcona County Utilities Department by contacting the Supervisor of Water & Wastewater Collection & Distribution, and
 - (ii) the owner of the premises where the release occurred, and

- (iii) any other person whom the person reporting knows or ought to know may be directly affected by the release.

10.2 The person shall provide a detailed report on the spill to the Municipality, within five working days after the spill, containing the following information to the best of his or her knowledge:

- (a) Location where spill occurred;
- (b) Name and telephone number of the person who reported the spill and the location and time where they can be contacted;
- (c) Date and time of spill;
- (d) Material spilled;
- (e) Characteristics and composition of material spilled;
- (f) Volume of material spilled;
- (g) Duration of spill event;
- (h) Work completed and any work still in progress in the mitigation of the spill;
- (i) Preventive actions being taken to ensure a similar spill does not occur again; and
- (j) Copies of applicable spill prevention and spill response plans.

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

10.4 Nothing in this Bylaw relieves any persons from complying with any notification or reporting provisions of:

- (a) Other government agencies, including federal and provincial [or *territorial*] agencies, as required and appropriate for the material and circumstances of the spill; or,
- (b) Any other Bylaw of the Municipality.

10.5 The Municipality may invoice the person responsible for the spill to recover costs of time, materials and services arising as a result of the spill. The person responsible for the spill shall pay the costs invoiced.

10.6 The Municipality may require the person responsible for the spill to prepare and submit a spill contingency plan to the Municipality to indicate how risk of future incidents will be reduced and how future incidents will be addressed.

11: AUTHORITY

11.1 Except as otherwise provided in this Bylaw and subject to the *Environmental Protection Act and Enhancement Act*, no Person shall discharge into any Watercourse any Wastewater.

11.2 The provisions of this Bylaw shall apply to all Persons using the County's Sewage System both in and outside the County, and regardless of whether any Person using this system has a contract for Sewer Service in the County.

11.3 The Director is hereby authorized to administer and enforce the provisions of this Bylaw. Notwithstanding the foregoing, the Director of Financial Services may make binding contracts with customers for Sewer Service and may levy charges and fines in accordance with this Bylaw.

11.4 The Director is hereby authorized to appoint the designated Sewer Inspector. The designated Sewer Inspector has the authority to carry out any inspection reasonably required to ensure compliance with this bylaw, including but not limited to:

- (a) Inspecting, observing, sampling and measuring the flow in any private
 - (i) drainage system,
 - (ii) wastewater disposal system,
 - (iii) storm water management facility, and
 - (iv) flow monitoring point;
- (b) Determine water consumption by reading water meters;
- (c) Test flow measuring devices;
- (d) Take samples of wastewater, storm water, Clearwater Waste and subsurface water being released from the premises or flowing within a private drainage system;
- (e) Perform on-site testing of the wastewater, storm water, Clearwater waste and subsurface water within or being released from private drainage systems, pretreatment facilities and storm water management facilities;
- (f) Collect and analyze samples of hauled wastewater coming to a discharge location;
- (g) Make inspections of the types and quantities of chemicals being handled or used on the premises in relation to possible release to a drainage system or watercourse;
- (h) Require information from any person concerning a matter;
- (i) Inspect and copy documents or remove documents from premises to make copies;
- (j) Inspect chemical storage areas and spill containment facilities and request Material Safety Data Sheets (MSDS) for materials stored or used on site;
- (k) Inspect the premises where a release of prohibited or restricted wastes or of water containing prohibited or restricted wastes has been made or is suspected of having been made, and to sample any or all matter that in his/her opinion could have been part of the release.

11.5 No person shall hinder or prevent the Director from carrying out any of his/ her powers or duties.

12: DISCONNECTION OF SEWER

12.1 Where wastewater which:

- (a) Is hazardous or creates an immediate danger to any person;
- (b) Endangers or interferes with the operation of the wastewater collection system;
or
- (c) Causes or is capable of causing an adverse effect;

is discharged to the wastewater collection system, the Director may, in addition to any other remedy available, disconnect, plug or seal off the sewer line discharging the unacceptable wastewater into the wastewater collection system or take such other action as is necessary to prevent such wastewater from entering the wastewater collection system.

12.2 The wastewater may be prevented from being discharged into the wastewater collection system until evidence satisfactory to the Director has been produced to assure that no further discharge of hazardous wastewater will be made to the wastewater collection system.

13: OFFENCES

13.1 If the Owner of a building, for which a Sewer connection has been required pursuant to Section 2.5 of this Bylaw, neglects or refuses to comply with the notice within sixty (60) days of receipt thereof, the County may make or repair or cause to be made or repaired the said connection at the expense of the said Owner.

13.2 Any Person depositing Wastewater at the Clover Bar Wastewater Transfer Station generated wholly, or in part, from within the boundaries of the City of Edmonton, who is in contravention of the City of Edmonton Sewers Use Bylaw 9425, as amended, is subject to the fines, penalties, and costs of City of Edmonton Sewer Use Bylaw 9425, as amended.

13.3 Any Person depositing Wastewater at the Clover Bar Wastewater Transfer Station generated from within the boundaries of the County, who is in contravention of the City of Edmonton Sewers Use Bylaw 9425, as amended, is subject to the fines, penalties, and costs of the County's Sewage Bylaw 31-2011.

13.4 Every person other than a corporation who contravenes any provision of this bylaw 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 \$25,000 for a first offence and \$100,000 for a second offence.

13.5 Every corporation that contravenes any provision of this bylaw 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 \$250,000 for a first offence and not more than \$500,000 for a second offence.

14: ACCESS TO INFORMATION

14.1 All information submitted to and collected by the Municipality that is contained in plan summaries, reports, surveys, monitoring and inspection and sampling activities will, except as otherwise provided in this section, be available for disclosure to the public in accordance with the *Freedom of Information and Protection of Privacy Act (FOIP)*.

14.2 In the event that any person in submitting information to the Municipality, as required under this article, where such information is confidential or proprietary or otherwise, may be exempt from disclosure under FOIP. The person submitting the information shall so identify that is confidentially or proprietary or otherwise information to the Municipality.

14.3 The Director shall have access to any and all information relative to wastewater accounts, permits and development agreements that pertain to the Municipal sewer system for that specific property.

15: SEWER RATES, OPENING & CLOSING OF ACCOUNTS

Opening Accounts

15.1 A consumer may set up a domestic account with the County Financial Services Department in person, by telephone or in writing.

15.2 Notwithstanding 15.1, effective March 1, 2007 new accounts for service shall only be entered into with the owner of a parcel. Property renters shall not be permitted to apply for accounts in their own name.

15.3 A owner may set up a commercial and/or industrial account with the County Financial Services Department in person or in writing.

15.4 Where an owner has set up an account for service, an owner may request that the invoice for the account be sent directly to the service address as identified by the owner. Notwithstanding this section, the owner remains the account holder responsible for all debts incurred under that Account.

15.5 A consumer shall:

- 15.5.1 Pay all charges, fees and bills for Sewer Services performed by the County in accordance with the Fees and Charges Bylaw;
- 15.5.2 Adhere to the requirements of this Bylaw;
- 15.5.3 Promptly pay their account or any penalties assessed.

Discontinuance of Service

15.6 A request for temporary or permanent turn off of Sewer Service must be provided in writing from the property owner by way of a statutory declaration.

15.7 The Director may turn off service without notice for any of the following reasons:

- 15.7.1 failure to open an account,
- 15.7.2 if, in the opinion of the Director, an emergency exists,
- 15.7.3 the consumer's facilities are unsafe or defective, leak excessively or cause contamination or deterioration to the Sewer System,
- 15.7.4 for the purposes of repairing and maintaining the Sewer System,

- 15.7.5 the consumer fails to provide the County adequate access to the Sewer System on property or access to the premises for the purposes of wastewater sampling
- 15.7.6 if, in the opinion of the Director, it is reasonable to do so.

15.8 The Director may at any time, upon endeavouring to provide forty eight (48) hours notice to a consumer and without any further notice turn off a Sewer Service or refuse to open an account, if the consumer:

- 15.8.1 neglects or refuses to pay any charges levied pursuant to this Bylaw or fails to perform any term of an account
- 15.8.2 contravenes any other section in this Bylaw
- 15.8.3 fails to allow Sewer Inspector access to premises.

15.9 If service to a consumer results in turn off for non-payment of an account at one location, the County may turn off service to the same consumer at another location or at any other locations.

15.10 Reconnect fee as specified in the Fees & Charges Bylaw will be levied before reconnection of a service.

Guarantee deposits

15.11 As a condition of providing service, the Director of the County Financial Services Department may require a guarantee deposit from the Owner.

15.12 A ninety (90) day billing period upon which the guarantee deposit is to be based, shall be determined by the Director of the County Financial Services Department.

15.13 A guarantee deposit is non-transferable and may be in the form of a security bond or letter of credit, cash or certified cheque.

15.14 The Director of the County Financial Services Department may at any time require that the guarantee deposit be increased.

15.15 Upon discontinuance of service, the deposit shall be returned to the consumer within thirty (30) days together with interest, as set out in 15.11 herein, after deducting therefrom all outstanding charges for the supply of service, including the cost of turning off or discontinuing service for non-payment of accounts.

15.16 Any interest due to the consumer as set out in 15.15 above, shall be paid by the County to the consumer, at the rate equal to One-Half (0.5%) Percent below the County's weighted average rate of return from the prior year. The County weighted average rate of return will be set in January of each year for that year's payment of deposit interest.

Monthly Sewer bill

15.17 All consumers shall pay for their Sewer consumption and all other rates and charges

as provided for in the Fees and Charges Bylaw.

15.18 No reduction in rates will be made in the monthly charge for sewer supplied to or made available for use by any consumer because of any interruption due to any cause whatsoever of the Sewer supply.

15.19 All rates and charges shall be included in a monthly sewer bill provided to the consumer and shall be due and payable monthly in the manner herein provided.

15.20 In the event a wastewater bill remains unpaid after the date fixed for payment, a penalty of 1.5% on all outstanding charges shall be added to the outstanding balance thereto and form part of the rates levied.

15.21 In the event that the sewer bill remains unpaid for a period of sixty (60) days after the date of mailing of the bill, the County may cause a written notice to be served by way of prepaid registered mail on the Owner at his/her last known address, advising that unless the Account is paid in full within seven (7) days from the date of mailing the said notice, the County will proceed with collection measures as provided by this section.

15.22 Any sewer bill remaining unpaid under this Bylaw will constitute a debt owing to the County and is recoverable by any or all of the following methods, namely:

- 15.22.1 by action, in any Court of competent jurisdiction, or
- 15.22.2 by distress and the sale of the goods and chattels of the person owing the rates, charges, tolls, fares or rents wherever they may be found in the County; or
- 15.22.3 by discontinuance of sewer supply within the County, plus imposition of a re-connection fee as specified in the Fees and Charges Bylaw, or
- 15.22.4 by collecting in a like manner as municipal rates and taxes.
- 15.22.5 in the event of a foreclosure, the billing account will be managed by the Director of Financial Services by undertaking all necessary actions deemed appropriate to effectively reduce the County's exposure to financial loss.

16: APPLICATION OF BYLAW TO WASTEWATER SERVICE ACCOUNT

16.1 The provisions of this Bylaw shall form a part of every Account.

17: OFFENCES AND PENALTIES

17.1 Any person who contravenes any provision or requirement of this Bylaw is guilty of an offence and is liable under the *Provincial Offences Procedures Act*, RSA 2000, c. P-34 to a fine as set out in Schedule "D" to this Bylaw.

17.2 Except as otherwise provided in this Bylaw and subject to the provisions of Subsection 17.4, a person who contravenes any provision of this Bylaw and any other person liable for such contravention shall, and where no specified fine has been assessed, upon summary conviction before a Court, be liable to a fine or not more than Two Thousand Five Hundred

Dollars.

- 17.3 Whenever a County Bylaw Enforcement Officer has reason to believe or does believe a Person has contravened any provision of this Bylaw, as listed on the attached Schedule "A" the County Bylaw Enforcement Officer may issue a violation ticket for each offence.
- 17.4 Under no circumstances shall any person contravening any provision of this Bylaw be subject to the penalty of imprisonment.

18: VIOLATION TAGS

- 18.1 A County Bylaw Enforcement Officer is hereby authorized and empowered to issue a violation tag to any person who the County Bylaw Enforcement Officer has reasonable and probable grounds to believe has contravened any provision of this Bylaw.
- 18.2 A violation tag may be issued to such person:
- 18.2.1 either personally, or
 - 18.2.2 by mailing a copy to such person at his/her last known post office address.
- 18.3 The violation tag shall be in a form approved by the Commissioner and shall state:
- 18.3.1 the name of the person;
 - 18.3.2 the offence;
 - 18.3.3 the appropriate penalty for the offence as set out in this Bylaw;
 - 18.3.4 that the penalty shall be paid within thirty (30) days of the issuance of the violation tag;
 - 18.3.5 any other information as may be required by the Commissioner.
- 18.4 Where a contravention of this Bylaw is of a continuing nature, further violation tags may be issued by the County Bylaw Enforcement Officer, provided that no more than one violation tag shall be issued for each day that the contravention continues.
- 18.5 Where a violation tag is issued pursuant to this Bylaw, the Person to whom the violation tag is issued may, in lieu of being prosecuted for the offence, pay to the County Treasurer the penalty specified on the violation tag.
- 18.6 Nothing in this Bylaw shall prevent a County Bylaw Enforcement Officer from immediately issuing a violation ticket for the mandatory Court appearance of any Person who contravenes any provision of this Bylaw.

19: VIOLATION TICKET

- 19.1 If the penalty specified on a violation tag is not paid within the prescribed time period then a County Bylaw Enforcement Officer is hereby authorized and empowered to issue a violation ticket pursuant to Part II of the *Provincial Offences Procedure Act*, RSA 2000, c. P-34.

19.2 Notwithstanding Section 18.1 of this Bylaw, a County Bylaw Enforcement Officer is hereby authorized and empowered to immediately issue a violation ticket pursuant to Part II of the *Provincial Offences Procedure Act*, RSA 2000, c. P-34, as amended, to any person who the County Bylaw Enforcement Officer has reasonable grounds to believe has contravened any provision of this Bylaw.

20: REPEAL

20.1 This repeals Bylaw 25-2001.

21: EFFECTIVE DATE

21.1 This Bylaw shall come into force and effect after third reading and being signed.

Read a first time this	day of	2011.
Read a second time this	day of	2011.
Read a third time this	day of	2011 and finally passed.

STRATHCONA COUNTY

Mayor

Director, Legislative & Legal Services

Date signed: _____

SCHEDULE 'A' PROHIBITED WASTES

No person shall directly or indirectly or deposit or cause or permit the discharge or deposit of wastewater into a sanitary sewer or municipal or private sewer connection, to any sanitary sewer works in circumstances where:

- (1) To do so may cause or result in:
 - (a) A health or safety hazard to a person authorized by the Alberta Capital Region Wastewater Commission or a Member Municipality to inspect, operate, maintain, repair or otherwise work on a wastewater works;
 - (b) An offence under any applicable federal or provincial environment protection or water resources legislation, as amended from time to time, or any regulation made thereunder from time to time;
 - (c) Wastewater sludge from the wastewater treatment facility works to which either wastewater discharges, directly or indirectly, to fail to meet the objectives and criteria as listed in any applicable federal or provincial environment protection or water resources legislation, as amended from time to time;
 - (d) Interference with the operation or maintenance of a wastewater works, or which may impair or interfere with any wastewater treatment process;
 - (e) A hazard to any person, animal, property or vegetation;
 - (f) An offensive odour to emanate from wastewater works, and without limiting the generality of the foregoing, wastewater containing hydrogen sulphide, carbon disulphide, other reduced sulphur compounds, amines or ammonia in such quantity as may cause an offensive odour;
 - (g) Damage to wastewater works;
 - (h) An obstruction or restriction to the flow in wastewater works.
- (2) The wastewater has two or more separate liquid layers.
- (3) The wastewater contains:
 - (a) Hazardous substances;
 - (b) Combustible liquid;
 - (c) Biomedical waste, including any of the following categories: human anatomical waste, animal waste, untreated microbiological waste, waste sharps and untreated human blood and body fluids known to contain viruses and agents listed in "Risk Group 4" as defined in "Laboratory Biosafety Guidelines" published by Health Canada, dated 2004, as amended;
 - (d) Specified risk material for bovine spongiform encephalopathy as defined in the federal Fertilizers Regulations (C.R.C., c.666), as amended from time to time, including material from the skull, brain, trigeminal ganglia, eyes, tonsils, spinal cord and dorsal root ganglia of cattle aged 30 months or older, or material from the distal ileum of cattle of all ages;
 - (e) Dyes or colouring material which may or could pass through a wastewater works and discolour the wastewater works effluent;
 - (f) Fuel;
 - (g) Ignitable waste;
 - (h) Pathological waste;
 - (i) PCBs;
 - (j) Pesticides which are not otherwise regulated in this Bylaw;

- (k) Reactive waste;
 - (l) Toxic substances which are not otherwise regulated in this Bylaw;
 - (m) Waste radioactive substances in excess of concentrations greater than those specified for release to the environment under the Nuclear Safety and Control Act and Regulations or amended versions thereof;
 - (n) Solid or viscous substances in quantities or of such size to be capable of causing obstruction to the flow in a sewer, including but not limited to ashes, bones, cinders, sand, mud, soil, straw, shaving, metal, glass, rags, feathers, tar, plastics, wood, unground garbage, animal parts or tissues, and paunch manure.
- (4) The wastewater contains a concentration, expressed in milligrams per litre, in excess of any one or more of the limits in Schedule "B" of this Bylaw, unless:
- (a) The discharge is in accordance with a valid Wastewater Discharge Permit, and
 - (b) All requirements of Section 6 of the Bylaw, Additional Requirements have been fully satisfied.

SCHEDULE 'B' RESTRICTED WASTES

The following are designated as Restricted Wastes when present in wastewater at a concentration below the levels set out below, with concentrations being expressed as total concentrations unless specified otherwise:

Table A – CONVENTIONAL CONTAMINANTS

Substance	Concentration Limit (mg/L)
Biochemical Oxygen Demand	10,000
Chemical Oxygen Demand	20,000
Oil & Grease	800
Total Suspended Solids	5,000
Total Kjeldahl Nitrogen	500
Phosphorus	100

Table B – INORGANIC CONTAMINANTS

Substance	Concentration Limit (mg/L)
Arsenic (As)	1.0
Cadmium (Cd)	0.10
Chlorine (free) (Cl ₂)	5.0
Chromium (Hexavalent) (CR+6)	2.0
Chromium (total) (Cr)	4.0
Cobalt (Co)	5.0
Copper (Cu)	1.0
Cyanide (CN)	2.0
Lead (Pb)	1.0
Mercury (Hg)	0.10
Molybdenum (Mo)	5.0
Nickel (Ni)	4.0
Silver (Ag)	5.0
Sulphide (S=)	3.0
Thallium (TI)	1.0
Zinc (Zn)	2.0

Table C – ORGANIC CONTAMINANTS

Substance	Concentration Limit (mg/L)
Hydrocarbons	50.0
Phenols	1.0

Table D – PHYSICAL PARAMETERS

Property	Restricted
pH	Less than 6.0 or greater than 11.5
Temperature	Greater than 75 degrees Celsius

SCHEDULE 'C' WASTEWATER OVERSTRENGTH LIMITS

	Column A	Column B
Substance	Overstrength Surcharge Concentration Limits, mg/L	Additional Overstrength Concentration Limits, mg/L
Biochemical Oxygen Demand (BOD)	300	3000
Chemical Oxygen Demand (COD)	600	6000
Oil and grease (O & G)	100	400
Total Suspended Solids (TSS)	300	3000
Total Kjeldahl Nitrogen (TKN)	50	200
Total Phosphorus (TP)	10	75

SCHEDULE "D"
OFFENCES, PENALTIES & FINES

SECTION	OFFENCE	FINE
Section 2 2.1, 2.2	Unauthorized connection to/or disturbance of Strathcona County sewer on storm mains	\$4,000
Section 2 2.3	Failure to properly abandon private sewer system	\$4,000
Section 2 2.4, 2.4.1, 2.4.2	Failure to install suitable sampling manhole	\$4,000
Section 2 2.5.1	Failure to connect to private wastewater system	\$4,000
Section 2 2.5.2	Failure to connect to provided storm sewer system in reasonable time	\$2,000
Section 2 2.6	Failure to properly abandon private sewer system	\$2,000
Section 2 2.7	Failure to safely discharge building downspout or sump pump discharge system properly	\$1,000
Section 2 2.9	Failure to obtain permit for constructing private sewers	\$1,000
Section 2 2.10	Failure to maintain privately owned building sewer	\$2,000
Section 2 2.11	Failure to operate/maintain private wastewater system in a sanitary condition	\$1,000
Section 2 2.12	Failure to maintain private storm water catchbasins	\$2,000
Section 2 2.17	Release a prohibited substance to a sanitary sewer	\$2,000
Section 6 6.1.2	Wastewater pretreatment facility not installed and/or failure to properly install/maintain grease interceptors	\$500
Section 6 6.1.4, 6.1.6, 6.2.4, 6.2.5	Failure to maintain maintenance schedule and records for grease interceptors	\$500
Section 6.3 6.3.1, 6.3.2, 6.3.3, 6.3.4, 6.3.5	Failure to maintain privately owned sediment interceptors	\$500

SECTION	OFFENCE	FINE
Section 6.4 through 6.4.6	Failure to properly install, operate and maintain dental waste amalgam separators	\$500
Section 8 8.1	Non contact cooling water	\$500
Section 9 9.1	Source other than municipal supply	\$500
Section 10 10.1	Failure to notify of spill	\$5,000
Section 10 10.2	Failure to provide written report as outlined	\$5,000
Section 10 10.3	Failure to contain/control spill	\$5,000
Section 11 11.4	Failure to provide access to records information	\$1,000