



## CITY OF FORT SASKATCHEWAN

### SEWER BYLAW

#### BYLAW NO. C12-18

#### A BYLAW OF THE CITY OF FORT SASKATCHEWAN IN THE PROVINCE OF ALBERTA TO AUTHORIZE THE REGULATION AND CONTROL OF THE DISCHARGE OF SEWAGE TO THE SANITARY SEWER SYSTEM IN THE CITY OF FORT SASKATCHEWAN.

The Council of the City of Fort Saskatchewan, duly assembled enacts the “Sewer Bylaw” as follows:

#### 1. SHORT TITLE

This Bylaw shall be referred to as the “Sewer Bylaw”.

#### 2. DEFINITIONS

For the purpose of this Bylaw:

- a. “Abandonment” shall mean the permanent discontinued use of a Private Sewer, in whole or in part, and, if applicable, the physical removal of any component.
- b. “Account Holder” shall mean the person named on a Utility Account.
- c. “ACRWC” shall mean the Alberta Capital Region Wastewater Commission.
- d. “ACRWC Treatment Facility” shall mean the structures, devices, components, and processes owned and operated by ACRWC purposed for or ancillary to the conveyance of Sewage from the City and the physical, chemical, biological, or radiological treatment of Sludge and Sewage prior to disposal or discharge to a Watercourse.
- e. “Applicable Standard” shall mean specifications, standards, guidelines, and codes used or adopted by the City in relation to engineered infrastructure; industry recognized standards (such as those published by the Canadian Standards Association, American Water Works Association, etc.); and instructions published by a manufacturer.
- f. “Applicable Procedure” shall mean a detailed methodology, protocol, or set of steps, instructions, and parameters to complete a task, established through regulations, legislation, or Applicable Standards, or otherwise formally adopted by or recognized as a best practice by the City or ACRWC.
- g. “Arrears” shall mean that an amount owing on a Utility Account has remained unpaid for greater than 60 days from the specified due date.

- h. “Best Management Practices” shall mean an integrated plan to reduce and control the Release of Restricted and Prohibited Sewage to the Sanitary Sewer System to a practical extent, through methods including physical controls, pre-treatment processes, operational procedures, and staff training.
- i. “Biochemical Oxygen Demand” shall mean the molecular oxygen used, as determined by Applicable Procedures, in the biochemical degradation of organic material and oxidization of reduced forms of nitrogen and inorganic material such as sulphides and ferrous iron.
- j. “Chemical Oxygen Demand” shall mean a measure of the capacity of water to consume oxygen as a result of the oxidation of inorganic chemicals and decomposition of organic matter.
- k. “City” shall mean the City of Fort Saskatchewan.
- l. “City Manager” shall mean the City’s Chief Administrative Officer or designate.
- m. “Clinic/Personal Service Facility” shall mean a building, part of a building, or a land-use purposed for providing:
  - i. medical, surgical, or dental treatment to humans or animals;
  - ii. services related to the grooming or cosmetic care of humans or animals;
  - iii. animal boarding; or
  - iv. laundry or dry cleaning service.
- n. “Code of Practice” shall mean a set of practices that identifies mandatory procedures, equipment, training, and other requirements, as a condition of discharging Sewage applicable to a specific type of ICI operation.
- o. “Commercial Kitchen/Food Facility” shall mean a building, part of a building, or a land-use purposed for the preparation, cooking, or service of food:
  - i. to be sold;
  - ii. as a service for sale; or
  - iii. at an ICI premises.
- p. “Compliance Program” shall mean the necessary steps to be undertaken by a Discharger to bring Sewage discharged to the Sanitary Sewer System into compliance with the terms and conditions of this Bylaw or an applicable Wastewater Discharge Permit.
- q. “Composite Sample” shall mean a volume of Effluent, made up of four or more Grab Samples of equal volume that have been combined automatically or manually and taken at intervals at least 1 hour apart during a sampling period.
- r. “Connection Permit” shall mean a written authorization from the City governing the connection of a Private Sewer to a Sewer Main or a written authorization or agreement from the City governing the alteration or expansion of any component of the Sanitary Sewer System to accommodate the connection or future connection of a Private Sewer.

- s. "Council" shall mean the municipal Council for the City of Fort Saskatchewan.
- t. "Debris" shall mean a solid substance including but not limited to ashes, hair, rags, sediment, unground garbage, glass, metal, and wood.
- u. "Dental Amalgam" shall mean a dental filling material consisting of an amalgam of mercury, silver, and other materials such as copper, tin, or zinc.
- v. "Designated Sector Operation" shall mean a particular type of industry, business, or institution as specified by ACRWC to which a Code of Practice applies.
- w. "Designated Sewer Officer" shall mean shall mean the appointed representative of any jurisdiction having the authority to give direction to any person in relation to any aspect of this Bylaw.
- x. "Discharge Abatement Order" shall mean an Order provided to a Discharger by a Designated Sewer Officer requiring that the Discharger alter or cease the discharge of Sewage from a premises to the Sanitary Sewer System.
- y. "Discharger" shall mean the person being responsible for or having the control of Sewage discharge from a premises.
- z. "Effluent" shall mean any Sewage, Storm Water, Groundwater, Uncontaminated Water, and/or other water or liquid.
- aa. "Flashpoint" shall mean the temperature at which enough vapour collects on the surface of a liquid to become flammable.
- bb. "General Industrial Facility" shall mean a building, part of a building, or a land-use purposed for the:
  - i. processing, distribution, or storage of materials;
  - ii. fabrication, manufacturing, assembly, or alteration of products; or
  - iii. cleaning, servicing, repairing or testing of materials, goods, parts, machinery, and equipment.
- cc. "Grab Sample" shall mean a volume of Effluent from a premises, collected over a period of 15 minutes or less.
- dd. "Groundwater" shall mean water beneath the earth's surface accumulating as a result of seepage.
- ee. "Hauled Sewage" shall mean Sewage transported by vehicle that was
  - i. removed from a Private Sewer, Private Sewage Disposal System, a component of the Sanitary Sewer System, or a portable toilet or other Sewage holding tank, and like facilities in other jurisdictions; or
  - ii. collected from sanitation facilities on board the transport vehicle itself.
- ff. "Hauled Water" shall mean potable water dispensed to a vehicle other than an RV, for the specific purpose of transporting the water for use at another location.

- gg. “Hazardous Substance” shall mean any substance or mixture of substances that is designated as hazardous under the Alberta *Waste Control Regulation* or otherwise exhibits characteristics of flammability, corrosivity, reactivity, or toxicity.
- hh. “ICI” shall mean an industrial, commercial, or institutional facility or land use.
- ii. “Interceptor/Separator” shall mean a device designed to remove and store or to divert specific substances from the flow of Sewage.
- jj. “Load Based Surcharge” shall mean a charge for Sewage containing one or more constituents exceeding concentration limits specified in Schedule “C” of this Bylaw.
- kk. “Lower Explosive Limit” shall mean the concentration of a gas or vapour in the air below which there is insufficient gas or vapour in the air to fuel a fire.
- ll. “Monitoring Access Point” shall mean an access point, such as a chamber, tap, clean-out, or similar device or connection at a suitable location in a Private Sewer that allows for observation, sampling, and measurement of the Effluent therein.
- mm. “Multiple Dwelling” shall mean shall mean a building or a land-use purposed for providing multiple separate living quarters under a common ownership or property management structure.
- nn. “Municipal Tag” shall mean a tag or similar document issued by the City pursuant to the Alberta *Municipal Government Act (MGA)* for the purpose of notifying a person that an offence has been committed and which fine or prosecution may follow.
- oo. “Non-Contact Cooling Water” shall mean water that is used to remove heat and has not come into direct contact with any raw material, intermediate or finished product, or waste material.
- pp. “Non-Domestic Sewage” shall mean any Effluent other than the Sewage that results from toileting, hygiene, general sanitation, and personal food preparation.
- qq. “Owner” shall mean a person:
  - i. who is the Registered Owner of a premises;
  - ii. who is the person responsible for a premises including a tenant; or
  - iii. designated to act on behalf of the legal owner.
- rr. “Order” shall mean a written order pursuant to the MGA to remedy a contravention of this Bylaw.
- ss. “Pathological Waste” shall mean any waste that is so designated under the Canadian *Human Pathogens and Toxins Act*.
- tt. “Peace Officer” shall mean a Peace Officer as defined in the Alberta *Provincial Offences Procedure Act*.

- uu. "Pretreatment Facility" shall mean a device or system with one or more processes, excluding dilution, designed to remove, alter, or reduce and control matter contained in Sewage.
- vv. "Preventative Maintenance Program" shall mean a routine to periodically inspect and perform proactive work on a Service Lateral to avert a blockage.
- ww. "Private Sewer" shall mean that part of any Sewage drain or system of Sewage drains, including subsurface pipes and any Private Sewage Disposal System, lying within the limits of a privately owned parcel of land.
- xx. "Private Sewage Disposal System" shall mean a privately owned system for the containment, treatment, or disposal of Sewage, which may include a septic tank, absorption field, cesspool, lagoon, pit, or, other approved means of containment, treatment, or disposal.
- yy. "Prohibited Sewage" shall mean any substance or Sewage either listed in Schedule "A" of this Bylaw or which the Release of would result in contravention of Schedule "A" of this Bylaw.
- zz. "Reactive Waste" shall mean a substance that:
  - i. is normally unstable and readily capable of detonation, explosive decomposition, or violent reaction at standard temperature and pressure;
  - ii. is an explosive as defined under the Canadian *Explosives Act*; or
  - iii. when exposed to water, pH conditions between 2 and 12.5, a strong initiating source, heat under confinement, or agitation is capable of:
    - 1) detonation, explosive decomposition, or violent reaction; or
    - 2) generating toxic gases, vapours, or fumes in a quantity sufficient to present danger to human health or the environment.
- aaa. "Registered Owner" shall mean a person:
  - i. named as an owner of a premises under the Alberta *Land Titles Act*;
  - ii. granted legal representation of a person so named; or
  - iii. authorized in writing by a person as defined above to be responsible for both the custody and management of a premises, excluding a tenant.
- bbb. "Restricted Substance" shall mean a substance listed in Schedule "B" of this Bylaw.
- ccc. "Release" shall mean a direct or indirect discharge of matter to the Sanitary Sewer System, Storm Sewer System, Watercourse, or the natural environment that is abnormal in quantity or quality in consideration of all circumstances.
- ddd. "RV" shall mean a vehicle purposed for use as a shelter, including but not limited to a motor-home, holiday trailer, or camper.
- eee. "RV Dump Station" shall mean a facility specifically purposed to accommodate the disposal of Sewage from an RV.

- fff. “Sanitary Sewer System” shall mean the network of pipes, facilities, and other works, all within the boundary of the City, purposed for the collection, conveyance, treatment, and disposal of Sewage, or any part of such works, but excluding Private Sewers, the ACRWC Treatment Facility, and plumbing or other works governed under the *Alberta Building Code*.
- ggg. “Safety Data Sheet” shall mean a document that provides detailed information about the hazards of a material, substance, or product and advice about safety precautions.
- hhh. “Service Lateral” shall mean the pipe that connects all or part of the Sewage drainage system from a premises to a Sewer Main.
- iii. “Sewage” shall mean the composite of water, contaminates, water-carried wastes, and other matter carried, dissolved, or suspended therein.
- jjj. “Sewer Main” shall mean a City owned and maintained pipeline that is designed and constructed to the applicable standard to be capable of collecting and conveying Sewage from multiple premises.
- kkk. “Sewer Subscription” shall mean an agreement for an Account Holder to use the Sanitary Sewer System in consideration of fees and charges paid to the City.
- lll. “Sludge” shall mean solid material recovered from the Sewage treatment process.
- mmm. “Spill” shall mean the Release of Prohibited Sewage, a Restricted or Hazardous Substance, other undesirable matter, or Sewage that is creates an immediate danger to any person, could endanger or interfere with the operation of the Sanitary Sewer System or the ACRWC Treatment Facility, or causes or is capable of causing an adverse effect.
- nnn. “Spill Contingency Plan” shall mean a document provided by a Discharger describing the necessary steps to be undertaken by the Discharger to prevent or mitigate a Spill.
- ooo. “Storm Sewer System” shall mean shall mean the network of pipes, facilities, and other works for the collection, conveyance, treatment, and disposal of Storm Water, or any part of such works, including constructed surface drainage channels, but excludes plumbing or other works governed under the *Alberta Building Code* applies and any natural Watercourse.
- ppp. “Storm Water” shall mean surface run-off water resulting from precipitation, including snow-melt.
- qqq. “Storm Water Management Facility” shall mean any pond, structure, or land-use purposed for the treatment or storage of Storm Water prior to discharge to a Watercourse.
- rrr. “Total Suspended Solids” shall mean insoluble matter in liquid that is removable by filtration

- sss. “Uncontaminated Water” shall mean water that meets criteria under applicable legislation for discharge to the environment.
- tth. “Utility Account” shall mean an agreement for the City to provide services, which may include a Sewer Subscription or other services, to an Account Holder and to record related transactions including consumption, charges, and payments.
- uuu. “Vehicle Service Facility” shall mean a building, part of a building, or a land-use purposed for providing service to vehicles or heavy equipment, including but not limited to:
  - i. mechanical maintenance, repairs, and alterations;
  - ii. painting or structural repair or modification;
  - iii. cleaning and washing; and
  - iv. fueling.
- vvv. “Violation Ticket” shall mean a Violation Ticket as defined in the Alberta *Provincial Offences Procedure Act*.
- www. “Wastewater Discharge Permit” shall mean a written authorization issued by ACRWC governing the discharge of Sewage or Hauled Sewage to the Sanitary Sewer System for circumstances specific to a premises or Discharger.
- xxx. “Water Subscription” shall mean an agreement for the City to supply potable water to an Account Holder in consideration of fees and charges paid to the City.
- yyy. “Watercourse” shall mean an open channel, ditch, or depression, in which flow of water occurs either continuously or intermittently.

### **3. AUTHORITY OF ALBERTA CAPITAL REGION WASTEWATER COMMISSION:**

- 3.1. ACRWC shall have the authority to prohibit or set discharge concentrations and/or limit the loading rate for any material or substance not included in the Bylaw schedules, as required to protect the Sanitary Sewer System or ACRWC Treatment Facility works and processes, to meet standards or other legislated requirements for the water discharged by ACRWC to a Watercourse, or to control Sludge quality.
- 3.2. ACRWC shall, in regard to circumstances affecting discharge of matter to the ACRWC Treatment Facility, have the authority to, on behalf of the City and as provided for in this Bylaw, provide orders or permits to a Discharger and to make requirements of a Discharger.

### **4. SEPARATION OF SANITARY AND STORM SEWER SYSTEMS**

- 4.1. The Sanitary Sewer System is intended to convey Sewage of a generally predictable and stable quantity and quality from sources within the City to the ACRWC Treatment Facility.

- 4.2. The Storm Sewer System is intended to convey a highly variable quantity of Storm Water from within the City to a Watercourse. The Storm Sewer System may also be used to convey Groundwater and Uncontaminated Water.
- 4.3. No system that is intended to simultaneously or interchangeably convey both Sewage and Storm Water shall be constructed within the City.
- 4.4. No person without written authorization from the City shall connect any:
  - a. storm drain, roof drain, or foundation drain to the Sanitary Sewer System; or
  - b. sanitary fixture, floor drain, or Private Sewer to the Storm Sewer System.

## **5. CONSTRUCTION, OPERATION, MAINTENANCE, AND REPAIR**

- 5.1. General:
  - a. All components of a Private Sewer and the Sanitary Sewer System shall be designed, constructed, operated, and maintained to the satisfaction of the City and in accordance with this Bylaw and Applicable Standards.
  - b. No person shall, without prior written authorization from the City:
    - i. install, open, uncover, connect to, alter, disturb, remove, or use any component of the Sanitary Sewer System; or
    - ii. alter, remove, destroy, or tamper with any device or infrastructure used to control, measure, or monitor the discharge of Sewage.
- 5.2. Responsibility:
  - a. The City shall be responsible to construct, operate, maintain, and repair the Sanitary Sewer System within a road allowance, utility right-of-way, or public property, including that part of any Service Lateral within such area.
  - b. Notwithstanding Section 5.2.a, the City shall not be responsible any costs of:
    - i. construction or upgrade of any component of the Sanitary Sewer System required as a result of a subdivision, rezoning, redevelopment, or upgrade of private property; or
    - ii. work or repair required as a result of a contravention of this Bylaw.
  - c. An Owner shall be responsible to construct, operate, maintain, and repair any Private Sewer within a premises, including any Private Sewage Disposal System and any device or facility connected to the Private Sewer.
  - d. If the City deems it necessary or in the public interest, the City may inspect, maintain, repair, or construct any component of a Private Sewer or may assist an Owner in arranging for such work. Such work or assistance by the City shall not transfer responsibility for the Private Sewer to the City from the Owner and the City may enter into an agreement with the Owner to recover the cost of any such work or assistance.



5.3. Connection to the Sanitary Sewer System:

- a. The Owner of a premises that has access to the Sanitary Sewer System shall connect any Private Sewer on the premises to the Sanitary Sewer System.
- b. The Owner of a premises that does not have access to the Sanitary Sewer System shall connect any Private Sewer on the premises to a Private Sewage Disposal System.
- c. In the event that a premises containing a Private Sewage Disposal System gains access to the Sanitary Sewer System, a Designated Sewer Officer may require the Owner to connect the Private Sewer to the Sanitary Sewer System and abandon any component of the Private Sewage Disposal System no longer required.

5.4. Alteration:

- a. An Owner shall obtain a Connection Permit from the City, prior to:
  - i. connecting a Private Sewer to the Sanitary Sewer System;
  - ii. work on a premises that requires the alteration of an existing component of the Sanitary Sewer System; or
  - iii. Abandonment any part of a Private Sewer.
- b. The Owner shall be responsible for any fees and charges associated with obtaining a Connection Permit and for providing any information required by the City to issue a Connection Permit.
- c. The City may specify conditions that the Connection Permit is subject to or that must be met before Connection Permit is issued.
- d. The Owner shall keep accurate records in relation to a Connection Permit for two years and shall submit copies to the City upon request.

5.5. Abandonment:

- a. The Owner of a premises where any component of a Private Sewer is to be abandoned shall notify the City of such Abandonment and shall be responsible for Abandonment in a manner that eliminates hazards, prevents the contamination or erosion of soil, and is otherwise acceptable to a Designated Sewer Officer.
- b. The Owner shall keep accurate records in relation to an Abandonment for two years and shall submit copies to the City upon request.

**6. DISCHARGE TO THE SANITARY SEWER SYSTEM**

6.1. A Discharger shall only permit the discharge to the Sanitary Sewer System of:

- a. Sewage that complies with the parameters of Schedules "A" and "B" and other provisions of this Bylaw; and

- b. Non-Domestic Sewage and Hauled Sewage that complies with the conditions of a Wastewater Discharge Permit issued to allow the discharge of otherwise non-compliant Effluent.
- 6.2. No person shall cause or permit the discharge, disposal, or deposit of any Sewage, human or animal excrement, contaminated water, or liquid waste in any manner that could, in the opinion of a Designated Sewer Officer, be unsanitary or cause a nuisance, adverse effect, or contravention of this Bylaw.
- 6.3. No person shall cause or permit the direct or indirect Release to the Sanitary Sewer System of any:
  - a. Prohibited Sewage listed in Schedule “A” of this Bylaw; or
  - b. Sewage that has been diluted for the purpose of achieving compliance with the provisions of this Bylaw.
- 6.4. No person shall, without a valid Wastewater Discharge Permit, cause or permit the direct or indirect Release to the Sanitary Sewer System of any:
  - a. Restricted Substance listed in Schedule “B” of this Bylaw in excess of its respective concentration limit;
  - b. Uncontaminated Water or Non-Contact Cooling Water; or
  - c. water originating from a source other than the City water supply including Storm Water and Groundwater.
- 6.5. Hauled Sewage:
  - a. No person shall discharge Hauled Sewage to the Sanitary Sewer System except at a discharge location that is specifically permitted, designed, constructed, and maintained for Hauled Sewage applications.
  - b. Only Sewage from an RV may be discharged at an RV Dump Station.
  - c. Hauled Sewage shall:
    - i. comply with applicable legislation; and
    - ii. be discharged in a sanitary manner and in accordance with the requirements and instructions of the operator of the discharge location.
  - d. Any person within the City transporting or discharging any Hauled Sewage, excluding Sewage from an RV, shall:
    - i. be appropriately certified to transport Hauled Sewage;
    - ii. comply with all conditions and regulations with respect to the transport and discharge of Hauled Sewage established through applicable legislation or otherwise established by the City or ACRWC; and
    - iii. provide a manifest in an acceptable form to a Designated Sewer Officer upon request.

## 7. **SOURCE CONTROL**

### 7.1. Pretreatment Facilities:

- a. Every Discharger shall take all necessary measures to prevent oil, grease, Debris, Dental Amalgam, Prohibited Sewage, and Restricted Substances from directly or indirectly entering the Sanitary Sewer System in excess of the parameters of Schedules "A" and "B" of this Bylaw.
- b. The Owner of a premises connected directly or indirectly to the Sanitary Sewer System shall install an Interceptor/Separator, trap, screen, or other Pretreatment Facility to mitigate the discharge of oil, grease, Debris, Dental Amalgam, Prohibited Sewage, and/or other Restricted Substances when:
  - i. the premises contains or could contain a:
    - 1) Commercial Kitchen/Food Facility;
    - 2) Vehicle Service Facility;
    - 3) Clinic/Personal Service Facility; or
    - 4) General Industrial Facility;
  - ii. a ramp drain or other outside area drain connects to a Private Sewer;
  - iii. necessary to ensure Sewage is in compliance with this Bylaw; and
  - iv. otherwise required by a Designated Sewer Officer.
- c. If Non-Domestic Sewage will not be discharged from a premises referred to in Section 7.1.b or if a Designated Sewer Officer determines that a Pretreatment Facility is otherwise not warranted, the City may waive such installation.
- d. The City may impose conditions on any such exemption and may revoke the exemption if the circumstances change or if the Owner or Discharger fails to comply with any condition.
- e. Any Pretreatment Facility required shall be installed upstream of any Monitoring Access Point on the premises and shall comply with any applicable requirements of the *Alberta Building Code*, *National Plumbing Code of Canada*, and other Applicable Standards and applicable legislation.
- f. The Owner of a premises where a Pretreatment Facility is required shall ensure that the Pretreatment Facility:
  - i. is designed, operated, and maintained according to the manufacturer's recommendations, Applicable Standards, and industry best practices; and
  - ii. achieves the applicable treatment objectives.
- g. In the absence of other Applicable Standards, an Interceptor/Separator for oil and sediment shall be maintained such that floating oil and grease do not accumulate in excess of 5% of the wetted height of the final chamber and that settled solids do not accumulate in excess of 25% of the wetted height.
- h. The Owner shall take measures to mitigate the Release of waste products from a Pretreatment Facility to the Sanitary Sewer System, the Storm Sewer

System, or to a Watercourse and shall ensure that waste products are disposed of safely and according to applicable legislation.

- i. The Owner shall keep accurate records in relation to each Pretreatment Facility, including maintenance and waste disposal schedules and records, for two years and shall submit copies to a Designated Sewer Officer upon request. Maintenance shall be documented at the time the work is completed.
- j. The resulting Sewage discharged from any Interceptor/Separator, trap, screen, Debris or food grinder, or other Pretreatment Facility shall comply with Schedule "A" and "B" of this Bylaw or any applicable Wastewater Discharge Permit or Discharge Abatement Order.

7.2. Discharge Permits and Abatement Orders:

- a. A Discharger shall apply to ACRWC for a Wastewater Discharge Permit if compliance with this Bylaw is not otherwise feasible.
- b. When required by a Designated Sewer Officer, a Discharger shall apply to ACRWC for a Wastewater Discharge Permit. The Discharger shall comply with any Discharge Abatement Order issued by the Designated Sewer Officer to be in effect until the application has been processed.
- c. ACRWC may issue, amend, or cancel a Wastewater Discharge Permit to allow the discharge of Non-Domestic Sewage, Hauled Sewage, and Sewage that does not comply with Schedule "A" or "B" of this Bylaw to the Sanitary Sewer System upon such terms and conditions as ACRWC considers appropriate including without limiting the generality of the foregoing:
  - i. limits and restrictions on the quantity, composition, frequency, timing, and nature of the permitted discharge;
  - ii. requirements to repair, alter, remove, or construct Pretreatment Facilities;
  - iii. development of a Compliance Program as set forth in Section 7.3; and
  - iv. expiration of the Wastewater Discharge Permit on a specified date or upon the occurrence of a specified event.
- d. A Discharger shall be entitled to make non-complying discharges in the amount and only to the extent set forth in a Wastewater Discharge Permit.
- e. A Designated Sewer Officer may issue, amend, or cancel a Discharge Abatement Order requiring a Discharger to:
  - i. alter the quantity, composition, duration, and timing of a discharge;
  - ii. comply with any terms or conditions that could be included in a Wastewater Discharge Permit; and
  - iii. cease any discharge to the Sanitary Sewer System.
- f. A Discharger shall ensure any discharge that is subject to a Wastewater Discharge Permit or Discharge Abatement Order complies with the limits, criteria, and conditions established therein.

7.3. Compliance Programs:

- a. When required as a condition of a Wastewater Discharge Permit, a Discharger shall provide ACRWC with a Compliance Program setting forth activities to be undertaken by the Discharger that would result in the prevention or reduction and control of a non-compliant discharge from the premises.
- b. The Discharger shall ensure that:
  - i. the Compliance Program is provided and, if necessary, amended within the period of time specified by ACRWC;
  - ii. the final completion date for all activities in the Compliance Program is within the period of time established in the applicable Wastewater Discharge Permit; and
  - iii. the Compliance Program meets all requirements specified by ACRWC.
- c. Following the approval and during the term of a Compliance Program a Discharger shall:
  - i. submit a progress report within 14 days after the scheduled completion date of each activity listed in the Compliance Program;
  - ii. revise and update the Compliance Program as required by ACRWC; and
  - iii. keep an updated copy of the Compliance Program and progress reports at the subject premises at all times and make copies available to a Designated Sewer Officer upon request.
- d. ACRWC may suspend or terminate a Wastewater Discharge Permit if the Discharger fails or neglects to carry out or diligently pursue the activities required under a Compliance Program.

7.4. Best Management Practices & Codes of Practice:

- a. ACRWC may approve the adoption of Best Management Practices, which may include a Code of Practice applicable to a Designated Sector Operation.
- b. A Code of Practice shall not apply to an operation that is subject to a Wastewater Discharge Permit, unless otherwise specified in the Wastewater Discharge Permit.
- c. The Owner of a Designated Sector Operation shall:
  - i. submit a completed Code of Practice registration form to ACRWC:
    - 1) within 30 days of commencing a new operation or discharge; or
    - 2) within 90 days of the date of adoption of a new Code of Practice for any applicable operation or discharge already in existence; and
  - ii. report, within 30 days of the change, any change:
    - 1) in the general information on the registration form; or
    - 2) that results in the Code of Practice no longer being applicable.

- d. If a Code of Practice establishes a requirement in relation to a specific discharging operation that differs from a specific provision of this Bylaw, the Code of Practice shall prevail; however nothing in a Code of Practice shall relieve a Discharger from complying a Wastewater Discharge Permit or other provisions of this Bylaw.

## **8. DISRUPTIONS**

### **8.1. Interruption of Service:**

- a. The City may suspend the discharge of Sewage to the Sanitary Sewer System with or without notice to the Discharger for any purpose that, in the opinion of the City, it may be expedient to do so, for any duration as the City or a Designated Sewer Officer deems necessary.
- b. Discharge may be suspended by any combination of the following means:
  - i. shut-off of water supply to a premises to prevent or reduce the flow of water to a Private Sewer connected to the Sanitary Sewer System;
  - ii. disconnection or plugging of a Private Sewer; or
  - iii. ordering a Discharger to cease or reduce discharge at a specified time for a specified duration.
- c. No reduction in charges or rates shall be made resulting from any interruption to the use of the Sanitary Sewer System.

### **8.2. Incidents:**

- a. In the event of a Spill, a blockage causing a Sewage back-up, or other adverse incident, the person responsible for the management and control of the incident shall do everything reasonably possible to protect human health, safety, and the environment and to minimize damage to property.
- b. The person responsible shall, upon taking appropriate action to reduce harm, immediately notify and provide any requested information to:
  - i. the City and, if applicable, emergency dispatch;
  - ii. the Owner of the premises where the incident occurred; and
  - iii. any other person that may be directly affected by the incident.
- c. Any person causing, whether by act or negligence, a Spill, blockage, or other adverse incident and the Owner of the premises where the incident occurred shall, in addition to any penalty specified in this Bylaw, be responsible for:
  - i. clean up resulting from the incident including contaminated residue;
  - ii. restoration of the affected area to its prior condition;
  - iii. any other resulting repair or remedy required; and
  - iv. all resulting costs and damages.

8.3. Spill:

- a. The person responsible for the management and control of a Spill shall, in addition to any obligations of Section 8.2.a and Section 8.2.b, do everything reasonably possible to contain the Spill.
- b. The City may disconnect or plug the Private Sewer from the premises where a Spill occurred or take other action as is necessary to prevent or control the Release of any harmful substance to the Sanitary Sewer System.
- c. The person responsible shall, within 5 days of the Spill, provide a written report to the City in a form specified by a Designated Sewer Officer.
- d. A Designated Sewer Officer may require the Discharger responsible for the premises where the Spill occurred to provide a Spill Contingency Plan to the City to indicate how the risk of future incidents will be reduced and how future incidents will be addressed.
- e. If the Spill occurred at a premises subject to a Compliance Program, the Discharger shall, within 30 days of the Spill, provide to ACRWC an updated Compliance Program incorporating a summary of the events and activities relating to the Spill and clean-up.

8.4. Blockage:

- a. Any person affected by a blockage causing a Sewage back-up shall, in addition to any obligations of Section 8.2.a and Section 8.2.b, do everything reasonably possible to limit further discharge from an affected premises.
- b. The City shall take action to identify and remove a blockage in the Sanitary Sewer System and may provide assistance to identify and remove blockages in the Service Lateral of a Private Sewer, subject to Section 5.2.d.
- c. If the cause of the blockage was related to the deterioration of a Service Lateral or the intrusion of tree roots, the City may recommend a Preventative Maintenance Program for the premises.
- d. Notwithstanding Section 5.2.a, if the Owner of the premises declines the Preventative Maintenance Program, the City shall not be responsible for any blockage in the Service Lateral, regardless of the location within the Service Lateral or cause of the blockage.

9. **MONITORING**

9.1. Authority of Designated Sewer Officer:

- a. A Designated Sewer Officer shall have the authority to carry out any inspection reasonably required to ensure compliance with this Bylaw, including but not limited to the authority to:

- i. inspect, observe, and measure the flow in any Private Sewer, Monitoring Access Point, Pretreatment Facility, and Storm Water Management Facility, including any such privately owned facility on a premises;
- ii. sample and test Sewage, Storm Water, Groundwater, Uncontaminated Water, or other Effluent being discharged from a premises or within any Private Sewer, Pretreatment Facility, and Storm Water Management Facility, including any such privately owned facility on a premises;
- iii. sample and test Hauled Sewage being discharged to the Sanitary Sewer System;
- iv. inspect, observe, and document the types and quantities of materials on a premises in relation to the potential for Release to the Sanitary Sewer System or to a Watercourse and request Safety Data Sheets for such materials;
- v. inspect, observe, and document any spill containment facilities or other measures used to mitigate the potential Release of any substance stored or used on-site;
- vi. inspect a premises where a known or suspected Release of a Prohibited Sewage or Restricted Substance and to sample and test any or all matter that could reasonably have been part of the Release;
- vii. inspect and test any flow measuring devices used to provide data to the City;
- viii. read water meters to determine water consumption;
- ix. review and copy documents and records kept by an Owner, the City, and ACRWC; and
- x. require a person to provide information concerning a matter in relation to this Bylaw.

- b. An Owner shall take measures to provide reasonable access to a premises for a Designated Sewer Officer to carry out any authorized powers or duties.

#### 9.2. Monitoring Access Point:

- a. An Owner shall, for each Private Sewer connected to the Sanitary Sewer System, provide a suitable Monitoring Access Point, designed, installed, and maintained in accordance with Applicable Standards and to the satisfaction of the City, to facilitate maintenance, sampling, and flow monitoring.
- b. The Owner of an ICI or Multiple Dwelling premises shall at all times ensure that every Monitoring Access Point is accessible to the Designated Sewer Officer for the purposes of observing, sampling, and measuring the Sewage discharged from the premises to the Sanitary Sewer System.

#### 9.3. Sampling:

- a. Where sampling is required for the purposes of determining the concentration of substances in Sewage, Storm Water, Groundwater, Uncontaminated Water, or other Effluent discharged from or at a premises, the sample may:
  - i. be collected manually or by using an automatic sampling device;
  - ii. be collected from discrete Effluent streams within a premises; and
  - iii. contain additives for its preservation.



- b. Any single Grab Sample may be used to determine compliance with the parameters of Schedule “A” and “B” of this Bylaw.
- c. All tests, measurements, examinations, and analyses of samples pursuant to this Bylaw shall be carried out to the satisfaction of the Designated Sewer Officer responsible for reviewing the results of such tests and analyses and in accordance with Applicable Procedures performed by a laboratory duly accredited in accordance with requirements recognized by ACRWC, such as those established by the Standards Council of Canada or the International Organization for Standardization, or as otherwise agreed to in writing by the Designated Sewer Officer.

9.4. Self-Monitoring by Discharger:

- a. When required by a Designated Sewer Officer, a Discharger shall be responsible to complete any monitoring or sampling of Effluent discharged to the Sanitary Sewer System as specified, and to provide the results to the Designated Sewer Officer and shall be responsible for the costs thereof.

**10. UTILITY ACCOUNT**

10.1. New Utility Account and addition of Sewer Subscription:

- a. Only a Registered Owner may open a Utility Account for a premises or add a Sewer Subscription to a Utility Account.
- b. The Registered Owner shall open a Utility Account that includes a Sewer Subscription or shall add a Sewer Subscription to a Utility Account when:
  - i. taking possession or custody of a premises with a Private Sewer connected to the Sanitary Sewer System;
  - ii. a Private Sewer on a premises is connected to the Sanitary Sewer System and all requirements of the Connection Permit are completed;
  - iii. a Utility Account for a premises with such connection is closed; or
  - iv. a Water Subscription is added to a Utility Account, unless the premises is required to use a Private Sewage Disposal System or the Water Subscription is required in relation to the supply of Hauled Water.
- c. If a Registered Owner fails to open a new Utility Account or add a Sewer Subscription pursuant to Section 10.1.b, the City may do so on the behalf of the Registered Owner and such action by the City shall not exempt the Registered Owner from any Account Holder responsibilities.
- d. A Sewer Subscription shall not be added to a Utility Account without a Water Subscription unless the Sewer Subscription is required in relation to the discharge of Hauled Sewage or water not supplied by the City.
- e. A Utility Account may be opened and a Sewer Subscription may be added in person, in writing, electronically, or by telephone. The Account Holder shall provide current contact information and provide a deposit in accordance with the Fees and Charges Bylaw.

- f. Discharge from a Private Sewer to the Sanitary Sewer System shall not be permitted without a Utility Account that includes a Sewer Subscription.

10.2. Account Holder responsibility:

- a. An Account Holder shall be responsible for:
  - i. all fees and charges levied for the Sewer Subscription in accordance with the Fees and Charges Bylaw, regardless of whether service was used or whether the Account Holder had made arrangements for another person to make payment;
  - ii. ensuring that payment of all charges is made in accordance with the due date or payment arrangements provided by the City;
  - iii. updating the City when contact information changes; and
  - iv. adherence to the requirements of this Bylaw.

10.3. Utility Account closure and removal of Sewer Subscription:

- a. An existing Utility Account for a premises shall be closed upon:
  - i. request of the Registered Owner to open a new Utility Account;
  - ii. a change in the Registered Owner;
  - iii. Account Holder request if the Account Holder is not a Registered Owner;
  - iv. suspension of the Utility Account pursuant to Section 11.1, if the Account Holder is not a Registered Owner; or
  - v. the removal of all services provided under a Utility Account.
- b. A Sewer Subscription shall be removed from a Utility Account only upon Account Holder request and only if all requirements of this Bylaw have been met in relation to the Abandonment of the Private Sewer connection to the Sanitary Sewer System.
- c. The deposit shall be applied as a credit to the final amount owing for the Sewer Subscription and to any other final balance on the Utility Account. The City shall provide a refund for any credit in excess of the final balance. The Account Holder shall be responsible for payment of any remaining unpaid balance prior to closure.
- d. No interest shall be payable by the City on the deposit.

10.4. Fees and Charges:

- a. The quantity of Sewage for assessing variable charges shall be determined based on:
  - i. the measured or estimated quantity of water supplied to a premises; or
  - ii. the measured or estimated quantity of total Effluent discharged from a premises if, and only if, required by a Designated Sewer Officer due to the discharge of water not supplied by the City.

- b. Load Based Surcharges may be levied on a Utility Account for the discharge of any substance listed in Schedule “C” of this Bylaw in excess of its Tier 1 over-strength concentration limit and additional surcharges shall be levied where the substance concentration exceeds its Tier 2 limits.
- c. The characteristics and concentrations of Sewage for assessing Load Based Charges shall be determined by averaging the respective test results of daily Composite Samples collected at a premises over a period of at least 2 days.
- d. All collection and testing of samples for assessing Load Based Charges shall be conducted in accordance with Section 9.3 by the City, ACRWC, or a Discharger pursuant to Section 9.4.
- e. ACRWC shall have the authority to assess Load Based Surcharges to be levied by the City.

## **11. CONTRAVENTION AND NON-PAYMENT**

- 11.1. The City may, without prejudice to any of the City’s other remedies, suspend a Utility Account, a Discharger’s use of the Sanitary Sewer System, and the discharge of Sewage after providing at least 48 hours’ notice to the premises in the following circumstances:
  - a. a Utility Account for the Discharger’s premises falls into Arrears, regardless of whether the Discharge is the Owner or Account Holder;
  - b. no Sewer Subscription for a premises exists where required; or
  - c. the Discharger is in contravention of any provision of this Bylaw, including any conditions of a Wastewater Discharge Permit or any requirement of a Discharge Abatement Order.
- 11.2. The City may, without prejudice to any of the City’s other remedies, suspend a Utility Account, a Discharger’s use of the Sanitary Sewer System, and the discharge of Sewage without notice if Sewage discharged from a premises:
  - a. causes or is capable of causing an adverse effect;
  - b. is hazardous or creates an immediate danger to life or property; or
  - c. endangers or interferes with the operation of the Sanitary Sewer System or the ACRWC Treatment Facility or Sewage treatment process.
- 11.3. Before the City restores service, the Account Holder shall, as applicable:
  - a. make payment arrangements subject to the City’s approval for:
    - i. any amount owing on the Utility Account; and
    - ii. any service restoration fee or other penalty levied on the Utility Account in accordance with the Fees and Charges Bylaw; and

- b. ensure, to the satisfaction of a Designated Sewer Officer, that the cause of any contravention has been remedied.
- 11.4. If an Account Holder neglects or fails to comply with any payment arrangements, any unpaid amount shall constitute a debt owing to the City and shall be recoverable by:
- a. action in a court of competent jurisdiction;
  - b. collecting in a like manner as property tax or accounts receivable; or
  - c. if the Account Holder for the applicable premises is the Registered Owner, adding the amount to the property tax roll of the Registered Owner.

## **12. ENFORCEMENT**

### 12.1. Orders to Remedy Contraventions:

- a. If the City Manager finds that a person is contravening this Bylaw, the City Manager may by written Order in accordance with the MGA, require any person responsible for the contravention to remedy it.
- b. The Order may:
  - i. direct a person to stop doing something, or to change the way in which they are doing it;
  - ii. direct a person to take any action necessary to remedy the contravention of this Bylaw to prevent a re-occurrence of the contravention;
  - iii. state a specified time to comply; and
  - iv. state that if the person does not comply within a specified time, the City shall take necessary action, at the expense of the person.
- c. The expenses and costs resulting from action taken by the City under Section 12, are due and payable by the person in contravention of this Bylaw.
- d. The City may in accordance with the MGA, add outstanding amounts for unpaid expenses and costs referred to in Section 12.1.c to a property tax roll, if the contravention of this Bylaw occurred on all or part of the Owner's premises.

### 12.2. Service of Order:

- a. In the case of an individual, an Order issued in accordance with this Bylaw may be served by:
  - i. delivering it personally to the individual's apparent place of residence; or
  - ii. registered mail addressed to the individual at their apparent place of residence, or to any address for the individual on the property tax roll of the City.

- b. In the case of a corporation, an Order issued in accordance with this Bylaw may be served by:
  - i. delivering it personally to any representative of the corporation or to the corporation's place of operation; or
  - ii. registered mail addressed to the registered office of the corporation.

12.3. Review by Council:

- a. A person who receives a written notice or Order under this Bylaw, may submit a written request for Council to review the notice or Order within 14 days after the date it was received.
- b. After review, Council may confirm, vary, substitute or cancel the notice or Order.

12.4. Offence:

- a. A person who contravenes any provision of this Bylaw is guilty of an offence.
- b. A person shall not interfere with a Peace Officer or a Designated Sewer Officer in the exercise of their powers and duties under this Bylaw.

12.5. Vicarious Liability:

- a. For the purpose of this Bylaw, an act or omission by the Owner or another person acting on their behalf is deemed to be an act or omission of the Owner, if the act or omission occurred in the course of exercising the powers or performing any duties on behalf of the Owner.

12.6. Corporations and Partnerships:

- a. When a corporation commits an offence under this Bylaw, every principal, director, manager, employee or agent of the corporation who authorized the act or omission, or agreed or participated in the act or omission that constitutes the offence, is guilty of the offence whether or not the corporation has been prosecuted.
- b. If a partner in a partnership is guilty of an offence under this Bylaw, each partner in that partnership who authorized the act, who agreed or participated in the act or omission that constitutes the offence, is guilty of the offence.

12.7. Fines and Penalties:

- a. A person who is guilty of an offence is liable for a fine pursuant to Schedule "D" of this Bylaw, not to exceed ten thousand dollars (\$10,000.00) or for the imprisonment of not more than six months for non-payment of a fine, as per the MGA.

- b. Without restricting the generality of Section 12.8.a and Section 12.10.a, the penalties specified in Schedule “D” of this Bylaw are established for use on Municipal Tags and Violation Tickets, if a voluntary payment option is offered.

12.8. Municipal Tag:

- a. A Peace Officer is hereby authorized to issue a Municipal Tag to any person who the Peace Officer believes has contravened any provision of this Bylaw.
- b. A Municipal Tag may be issued:
  - i. personally; or
  - ii. by mailing a copy to such person at their last known municipal address.
- c. The Municipal Tag shall be in a form approved by the City Manager and shall state:
  - i. the name of the person;
  - ii. the offence;
  - iii. the specified penalty established by this Bylaw for the offence;
  - iv. that the penalty shall be paid within seven days of the issuance; and
  - v. any other information as may be required by the City Manager.

12.9. Payment in Lieu of Prosecution:

- a. Where a Municipal Tag is issued pursuant to this Bylaw, the person to whom it is issued may, in lieu of being prosecuted for the offence, pay the penalty to the City, specified within the prescribed time indicated on the Municipal Tag.

12.10. Violation Ticket:

- a. Where a Municipal Tag has been issued and the specified penalty has not been paid within the prescribed time, a Peace Officer is authorized to issue a Violation Ticket pursuant to the Alberta *Provincial Offences Procedure Act*.
- b. Notwithstanding Section 12.10.a, a Peace Officer is hereby authorized to issue a Violation Ticket pursuant to the Alberta *Provincial Offences Procedure Act* to any person who the Peace Officer believes has contravened any provision of this Bylaw.
- c. Where a Violation Ticket is issued in respect of an offence, it may:
  - i. specify the fine amount established by this Bylaw for the offence; or
  - ii. require a person to appear in court, without the alternative of making a voluntary payment.

12.11. Voluntary Payment:

- a. A person who commits an offence may submit the voluntary payment noting the specified penalty to the Provincial Court Clerk, on or before the initial appearance date indicated on the Violation Ticket, if the Violation Ticket:
  - i. is issued with respect to the offence; and
  - ii. specifies the fine amount established by this Bylaw for the offence.

**13. POWERS OF THE CITY MANAGER**

13.1. Without restricting any other power, duty, or function granted by this or any other Bylaw, the City Manager may:

- a. carry out inspections to determine compliance with this Bylaw;
- b. take steps or carry out actions required to enforce this Bylaw;
- c. take necessary steps or carry out actions required to remedy a contravention of this Bylaw;
- d. establish forms for the purposes of this Bylaw; and
- e. delegate powers, duties, or functions under this Bylaw to an employee of the City.

**14. INTERPRETATION**

14.1. All references in this Bylaw will be read with such changes in number and gender as may be appropriate, and references shall be read as a corporation or partnership, and pronouns shall be deemed to not be gender specific.

14.2. References to provisions of statute, rules, or regulations shall be deemed to include references to such provisions as amended, modified, or re-enacted from time to time.

14.3. Nothing in this Bylaw relieves any person from compliance with any other bylaw or applicable federal or provincial law, regulation, or enactment.

**15. SEVERABILITY**

If any portion of this Bylaw is declared invalid by a court of competent jurisdiction, the invalid portion must then be severed and the remainder of the Bylaw is deemed valid.

**16. EFFECTIVE DATE**

This Bylaw becomes effective upon third and final reading.

**17. PRIOR BYLAWS**

This Bylaw supersedes and takes precedence over all previously passed bylaws which refer to sewer systems, as well as any previously passed resolutions which may be in conflict with this Bylaw.

READ a first time this	13 <sup>th</sup>	day of	March	2018.
READ a second time this	13 <sup>th</sup>	day of	March	2018.
READ a third and passed this	13 <sup>th</sup>	day of	March	2018.

---

MAYOR

---

DIRECTOR, LEGISLATIVE SERVICES

Date Signed: March 14, 2018



## BYLAW C12-18

### SCHEDULE "A" PROHIBITED SEWAGE

No person shall cause or permit the direct or indirect discharge or deposit of Sewage to the Sanitary Sewer System or a Private Sewer in circumstances where:

- a. to do so may cause or result in:
  - i. an abnormal health or safety hazard to any person who is inspecting, operating, maintaining, or otherwise working on any component of the Sanitary Sewer System, that such person would not anticipate or normally be prepared for;
  - ii. an offence under any applicable legislation or any regulation made thereunder;
  - iii. the failure of Sludge from the ACRWC Treatment Facility to meet the objectives and criteria as listed in any applicable legislation;
  - iv. the interference with or the impairment of the operation or maintenance of any component of the Sanitary Sewer System or Sewage treatment process;
  - v. a hazard to any person, animal, property or vegetation;
  - vi. an abnormally noxious odour emanating from the Sanitary Sewer System;
  - vii. damage to the Sanitary Sewer System; or
  - viii. an obstruction or restriction to the flow in the Sanitary Sewer System;
- b. the Sewage has two or more separate liquid layers;
- c. the Sewage contains:
  - i. any Hazardous Substance including but not limited to:
    - 1) fuel, any combustible or ignitable substance, or Reactive Waste;
    - 2) monochlorinated or polychlorinated biphenyls (PCBs);
    - 3) radioactive substances in concentrations in excess of those specified for Release to the environment under the *Canadian Nuclear Safety and Control Act* and applicable regulations; and
    - 4) pesticides or toxic substances not otherwise regulated in this Bylaw;
  - ii. biomedical waste including but not limited to:
    - 1) Pathological Waste;
    - 2) human or animal anatomical waste;
    - 3) untreated microbiological waste;
    - 4) waste sharps; and
    - 5) 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;
  - iii. specified risk material for bovine spongiform encephalopathy as defined in the federal Fertilizers Regulations, 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;
  - iv. hydrogen sulphide, carbon disulphide, amines, ammonia, or other substance in such quantity to cause a noxious gas or odour;
  - v. dyes or colouring materials which could pass through the Sewage treatment process and discolour the water discharged from the ACRWC Treatment Facility; or
  - vi. Debris or viscous substances in quantities or of such size to be capable of causing obstruction to the flow in the Sanitary Sewer System, including but not limited to ashes, bones, cinders, hair, sand, mud, soil, straw, metal, glass, rags, feathers, tar, plastics, wood, unground garbage, animal parts or tissues, and paunch manure; or
- d. the Sewage contains a concentration in excess of any one or more of the limits in Schedule "B" of this Bylaw, unless both:
- i. the discharge is authorized in a valid Wastewater Discharge Permit or a Code of Practice approved by ACRWC; and
  - ii. all requirements of Section 7.1 of the Bylaw have been fully satisfied.

## BYLAW C12-18

### SCHEDULE "B" RESTRICTED SUBSTANCES

Concentrations that do not exceed the constituent concentrations limits listed in Schedule "B" are permitted for discharge but may be subject to a Load Based Surcharge if concentrations exceed limits outlined in Schedule "C" of this Bylaw.

**Table B.1 - CONVENTIONAL CONTAMINANTS**

<b>Substance</b>	<b>Concentration Limit [mg/L]</b>
Biochemical Oxygen Demand	10,000
Chemical Oxygen Demand	20,000
Nitrogen, Total Kjeldahl	500
Oil and Grease, Total (Animal and Vegetable + Mineral and Synthetic/Petroleum Hydrocarbons)	500
Phosphorus, Total	200
Suspended Solids, Total	5,000

**Table B.2 - ORGANIC CONTAMINANTS**

<b>Substance</b>	<b>Concentration Limit [mg/L]</b>
Benzene	0.5
Ethylbenzene	0.5
Oil and Grease (Mineral and Synthetic/Petroleum Hydrocarbons)	100
Phenols, Total (Phenolic Compounds)	1.0
Toluene	0.5
Xylene	0.5

**Table B.3 - INORGANIC CONTAMINANTS**

<b>Substance</b>	<b>Concentration Limit [mg/L]</b>
Arsenic (As)	1.0
Cadmium (Cd)	0.10
Chlorine, Total (Cl <sub>2</sub> )	5.0
Chromium (Hexavalent) (Cr <sup>+6</sup> )	2.0
Chromium, Total (Cr)	4.0
Cobalt (Co)	5.0
Copper (Cu)	2.0
Cyanide (CN)	2.0
Lead (Pb)	1.0
Mercury (Hg)	0.10
Molybdenum (Mo)	5.0
Nickel (Ni)	4.0
Selenium (Se)	1.0
Silver (Ag)	5.0
Sulphide (S <sup>=</sup> )	3.0
Thallium (Tl)	1.0
Zinc (Zn)	2.0

**Table B.2 - PHYSICAL PARAMETERS**

<b>Parameter</b>	<b>Limit</b>
Flashpoint	Not ≤ 60.5°C
Lower Explosive Limit (LEL) in headspace	10% of the LEL
pH	6.0 – 11.5
Temperature	≤ 60°C

## BYLAW C12-18

### SCHEDULE "C" OVER-STRENGTH LIMITS

Concentrations that exceed the Tier 1 limits listed in Table C.1 may be subject to a Load Based Surcharge; concentrations that exceed the Tier 2 limits listed in Table C.1 may be subject to an additional Load Based Surcharge.

**Table C.1 - SURCHARGE LIMITS**

<b>Substance</b>	<b>TIER 1 Over-Strength Concentration Limit [mg/L]</b>	<b>TIER 2 Over-Strength Concentration Limit [mg/L]</b>
Biochemical Oxygen Demand (BOD)	300	3000
Chemical Oxygen Demand (COD)	600	6000
Nitrogen, Total Kjeldahl (TKN)	50	200
Oil and Grease, Total (O&G) (Animal and Vegetable + Mineral and Synthetic/Petroleum Hydrocarbons)	100	400
Phosphorus, Total (TP)	10	75
Suspended Solids, Total (TSS)	300	3000

**BYLAW C12-18**  
**SCHEDULE “D” SPECIFIED PENALTIES**

<b>Section</b>	<b>Offence</b>	<b>Penalty 1<sup>st</sup> Offence</b>	<b>Penalty 2<sup>nd</sup> and Subsequent Offence</b>
4.4	Unauthorized cross-connection	\$1,000	\$2,000
5.1 (a), 5.2 (c)	Failure to design, construct, operate, or maintain any components of a Private Sewer or the Sanitary Sewer System in accordance to this Bylaw or any other applicable legislation or standards	\$500	\$1,000
5.1 (b) (i)	Install, open, uncover, connect to, alter, disturb, remove, or use any component of the Sanitary Sewer System without authorization	\$500	\$1,000
5.1 (b) (ii)	Alter, remove, destroy, or tamper with any device or infrastructure used to control, measure, or monitor the discharge of Sewage without authorization	\$1,000	\$2,000
5.3	Failure to connect a Private Sewer to the Sanitary Sewer System	\$1,000	\$2,000
5.4	Failure to obtain or comply with the requirements of a Connection Permit	\$500	\$1,000
5.5	Failure to properly abandon any component of a Private Sewer	\$500	\$1,000
6.1, 6.2	Non-compliant discharge of Sewage	\$500	\$1,000
6.3, 6.4 (a)	Release of Prohibited Sewage or a Restricted Substance without a Wastewater Discharge Permit	\$1,500	\$3,000
6.4 (b), (c)	Release Uncontaminated Water or water not supplied by the City without a Wastewater Discharge Permit	\$500	\$1,000
6.5	Non-compliant discharge of Hauled Sewage	\$1,500	\$3,000
7.1	Failure to properly install, design, operate or maintain a Pretreatment Facility as required	\$500	\$1,000
7.1 (g)	Improper disposal of waste products from a Pretreatment Facility	\$1,000	\$2,000

7.2	Failure to comply with a Wastewater Discharge Permit or Discharge Abatement Order	\$1,500	\$3,000
7.3	Failure to provide or comply with the requirements of a Compliance Program	\$1,500	\$3,000
7.4 (c) (i)	Failure to submit a completed Code of Practice registration form as required	\$500	\$1,000
7.4 (c) (ii)	Failure to report, within 30 days, any change in registration relating to a Code of Practice	\$250	\$500
8.2 (a), 8.3 (a)	Failure to take reasonable measures to manage, control, or mitigate a Spill	\$2,500	\$5,000
8.2 (a), 8.4 (a)	Failure to take reasonable measures to manage, control, or mitigate a blockage or other incident	\$500	\$1,000
8.2 (b)	Failure to notify or provide information about an incident other than a Spill	\$500	\$1,000
8.2 (b)	Failure to notify or provide information about a Spill	\$2,500	\$5,000
8.2 (c)	Failure to complete any clean-up, repair, or remedy required as a result of an incident	\$2,000	\$4,000
8.3 (c)	Failure to provide a written report within 5 days	\$1,000	\$2,000
8.3 (d), (e)	Failure to provide a Spill Contingency Plan or update a Compliance Program within 30 days as required	\$500	\$1,000
9.2 (a)	Failure to install a suitable Monitoring Access Point	\$500	\$1,000
9.2 (b)	Failure to provide access to a Monitoring Access Point	\$250	\$500
9.4	Failure to complete a monitoring program as required	\$1,000	\$2,000
10.1 (f)	Discharge from a Private Sewer to the Sanitary Sewer System without a Sewer Subscription	\$250	\$500
12.4 (b)	Interfering with the duty of a Peace Officer or a Designated Sewer Officer	\$500	\$1,000