

Bylaw No. 978-2018

SEWERS BYLAW

PAGE 1

A BYLAW OF THE CITY OF LEDUC IN THE PROVINCE OF ALBERTA, TO REGULATE THE CITY OF LEDUC'S WASTEWATER SYSTEM AND STORMWATER SYSTEM

Whereas pursuant to section 34(1) of the *Municipal Government Act*, RSA 2000, c. M-26, if the system or works of a municipal public utility that provide a municipal utility service are adjacent to a parcel of land, the municipality must, when it is able to do so and subject to any terms, costs or charges established by council, provide the municipal utility service to the parcel on the request of the owner of the parcel;

And Whereas, pursuant to section 35 of the *Municipal Government Act*, the municipality is responsible for the construction, maintenance and repair of the portion of the service connection from the main lines of the system or works to the boundary of the road or easement and the council may as a term of supplying the municipal utility service to the parcel of land make the owner responsible for the costs of the construction, maintenance and repair of the service connection from the main lines of the system or works to the boundary of the road or easement;

And Whereas, pursuant to section 37 of the *Municipal Government Act*, the owner of a parcel is responsible for the construction, maintenance and repair of a service connection of a municipal public utility located above, on or underneath the parcel;

And Whereas, pursuant to clause 2(b) of the *Alberta Capital Region Wastewater Commission Regulation*, Alta Reg 129/1985, the City of Leduc is a member of the Alberta Capital Region Wastewater Commission and the Board of Directors of has enacted a bylaw governing the quality of wastewater accepted by that Commission pursuant to section 602.04 of the *Municipal Government Act*;

Leduc City Council enacts:

PART I: PURPOSE, DEFINITIONS AND INTERPRETATION

PURPOSE

- 1 The purpose of this bylaw is to regulate the use of the sewerage system in the City of Leduc.

DEFINITIONS

- 2 In this bylaw, unless the context otherwise requires:
 - (a) "**City**" means the municipal corporation of the City of Leduc;

Bylaw No. 978-2018
SEWERS BYLAW

PAGE 2

- (b) "**City Manager**" means the Chief Administrative Officer of the City or his delegate;
- (c) "**owner**" means the person in care and control and includes the person registered under the *Land Titles Act*, RSA 2000, c. L-4 as owner in fee simple, a lessee, or any person who exercises the power and authority of ownership;
- (d) "**non-contact cooling water**" means water that is used solely for reducing temperature and does not come into contact with any material while cooling;
- (e) "**person**" means an individual, partnership, association, corporation, organization, business, cooperative, trustee, executor, administrator or legal representative;
- (f) "**premises**" means a parcel of land and any buildings situated on that land;
- (g) "**private drainage system**" means an assembly of pipes, fittings, traps and appurtenances used to convey wastewater and stormwater to the sewerage system;
- (h) "**release**" means to directly or indirectly conduct matter by spilling, discharging, depositing, disposing of, abandoning, leaking, seeping, pouring, draining, emptying, or any other means;
- (i) "**sanitary sewer**" means a sewer used for the collection and transmission of wastewater;
- (j) "**sewerage system**" means all City owned infrastructure for the collection, storage, transportation and pumping of wastewater and stormwater and includes sewers, ditches, channels, stormwater management facilities, wastewater treatment facilities, sludge treatment facilities, biosolids storage and disposal facilities;
- (k) "**storm sewer**" means a sewer used for the collection and transmission of stormwater;
- (l) "**stormwater**" means surface run off water that is the result of natural precipitation and water accumulating beneath the surface of the Earth as a result of seepage;

Bylaw No. 978-2018
SEWERS BYLAW

PAGE 3

- (m) **"wastewater"** means water discharged from a premises; and
- (n) **"watercourse"** means:
 - (i) the bed and shore of a river, stream, lake, creek, lagoon, swamp, marsh or other natural body of water, or
 - (ii) a canal, ditch, reservoir, stormwater management facility or other man-made surface drainage feature,whether or not it contains or conveys water continuously or intermittently.

RULES FOR INTERPRETATION

- 3 The marginal notes and headings in this bylaw are for reference purposes only.

PART II – CONNECTIONS

PRIVATE DRAINAGE SYSTEM

- 4 The owner of a premises shall maintain a private drainage system in a sanitary condition.

CONNECTION PERMIT

- 5 No person shall connect to or alter the sewerage system, unless a permitted to do so by the City Manager.

SANITARY CONNECTION REQUIRED

- 6 The owner of a premises abutting a City right-of-way in which there is a sanitary sewer shall apply to the City Manager to have the private drainage system connected to the sanitary sewer prior to occupancy of the premises.

NEW SANITARY SERVICE

- 7 When the City Manager provides notice to an owner that a sanitary sewer is newly available in the City right-of-way abutting the owner's premises, the owner shall connect the private drainage system to the sewerage system in the manner directed by the City Manager.

Bylaw No. 978-2018
SEWERS BYLAW

PAGE 4

STORM SEWER CONNECTION

- 8 The owner of a premises shall connect any private drainage system that exclusively conveys stormwater to the storm sewer when required to do by the City Manager.

ABANDONMENT

- 9 The owner of a premises where the private drainage system has been, or will be, abandoned shall cap the private drainage system in a manner acceptable to the City Manager.

ACCESS POINT

- 10 The owner of a premises shall install an access point to the private drainage system on the premises in the manner specified by the City Manager when:
- (a) the private drainage system is constructed;
 - (b) the private drainage system is redeveloped; or
 - (c) when required to do by the City Manager.

SCREENING AND PRETREATMENT

- 11 The owner of a premises shall install screens or pretreatment facilities within the private drainage system for the premises when required to do so by the City Manager, in the manner specified by the City Manager.

FOOD OIL AND GREASE INTERCEPTORS

- 12 The owner of any premises in which there is commercial or institutional food preparation shall provide an oil and grease interceptor on all pipes that connect directly or indirectly to the sewerage system.

EQUIPMENT OIL AND GREASE INTERCEPTORS

- 13 The owner of any premises in which vehicles or equipment are serviced, repaired, disassembled or washed shall provide an oil and grease interceptor on all pipes that connect directly or indirectly to the sewerage system.

Bylaw No. 978-2018
SEWERS BYLAW

PAGE 5

SEDIMENT INTERCEPTORS

- 14 The owner of any premises from which sediment may enter the sewerage system shall provide a sediment separator on all pipes that connect directly or indirectly to the sewerage system.

DENTAL AMALGAM SEPARATOR

- 15 (1) The owner of any premises in which a dental facility is located shall install a dental amalgam separator on all pipes that may release dental amalgam waste directly or indirectly to the sewerage system.

(2) This section does not apply to:

- (a) dental facilities that practice exclusively orthodontics and dentofacial orthopaedics, oral and maxillofacial surgery, oral medicine and pathology, or periodontics; or
- (b) any premises that has been exempted by the City Manager.

ACCESS POINTS AND INTERCEPTOR MAINTENANCE

- 16 All access points, interceptors or separators required by this bylaw shall be:

- (a) readily accessible; and
- (b) installed, maintained, and cleaned in accordance with the manufactures instructions, or as directed by the City Manager.

PART III - RELEASES

NO WATERCOURSE RELEASE

- 17 No person shall release or cause or permit the release of wastewater into any watercourse, except as permitted by this bylaw.

WASTEWATER PERMIT

- 18 No person shall release or cause or permit the release of any wastewater into the sanitary sewer, unless permitted to do so by the City Manager.

Bylaw No. 978-2018
SEWERS BYLAW

PAGE 6

NO PROHIBITED WASTE

- 19 No person shall release or cause or permit the release of any prohibited waste, as set out in Schedule "A", into the sewerage system.

NO RESTRICTED WASTE

- 20 No person shall release or cause or permit the release of any restricted waste, as set out in Schedule "B" and Schedule "C", into the sewerage system.

OVERSTRENGTH SURCHARGE

- 21 Notwithstanding section 20, a person may release restricted waste over the limits set in Schedule "B" and Schedule "C" if that person:
- (a) is permitted to do so by the City Manager; and
 - (b) pays the overstrength surcharge set out in the *Fees Bylaw*.

NO STORMWATER IN SANITARY SEWER

- 22 No person shall release or cause or permit the release of stormwater or non-contact cooling water into a sanitary sewer, unless permitted to do so by the City Manager.

STORMWATER RELEASE

- 23 The owner of a premises shall ensure that all stormwater released from the premises:
- (a) is released to the storm sewer, if permitted to do by the City Manager; or
 - (b) flows freely toward a City right-of-way adjacent to the premises and does not create any hazardous conditions.

HAULED WASTEWATER

- 24 No person shall release or cause or permit the release of wastewater transported by truck, unless permitted to by the City Manager.

NO DILUTION

- 25 No person shall dilute wastewater in order to enable the release of that wastewater in accordance with this bylaw.

Bylaw No. 978-2018
SEWERS BYLAW

PAGE 7

NO UNSANITARY MATTER

- 26 No person shall deposit or permit to be deposited on any land any matter that, in the opinion of the City Manager, is unsanitary.

REPORTING

- 27 (1) Any person who releases or causes or permits the release of any matter prohibited in this bylaw shall, immediately after becoming aware of the release:
- (a) notify
 - (i) the City Manager,
 - (ii) the Alberta Capital Region Wastewater Commission,
 - (iii) the owner of the premises from which the release originated, if known, and
 - (iv) any other person who may be directly affected by the release,
 - (b) take all reasonable steps to contain and control the release, and
 - (c) if the release is likely to pose a threat to public health or safety, immediately contact emergency services.
- (2) The notification of the City Manager and Alberta Capital Region Wastewater Commission shall include:
- (a) the name of the person causing or permitting the release;
 - (b) the location of the release;
 - (c) the name and contact information of the person reporting the release;
 - (d) the date and time of the release;

Bylaw No. 978-2018
SEWERS BYLAW

PAGE 8

- (e) the type of material released and any associated hazards;
- (f) the volume of material released; and
- (g) any corrective action taken or anticipated to control the release.

PART IV - ENFORCEMENT

OFFENCE

- 28 A person who contravenes this bylaw is guilty of an offence.

CONTINUING OFFENCE

- 29 In the case of an offence that is of a continuing nature, a contravention constitutes a separate offence in respect of each day, or part of a day, on which it continues and a person guilty of such an offence is liable to a fine in an amount not less than that established in this bylaw for each such day.

VICARIOUS LIABILITY

- 30 For the purposes of this bylaw, an act or omission by an employee or agent of a person is deemed also to be an act or omission of the person if the act or omission occurred in the course of the employee's employment with the person, or in the course of the agent exercising the powers of or performing duties on behalf of the person under their agency relationship.

OWNER LIABLE

- 31 In addition to any other person, the owner of a premises is liable for all offences committed on that premises.

CORPORATIONS AND PARTNERSHIPS

- 32 (1) 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 that constitutes the offence or assented to or acquiesced or participated in the act or omission that constitutes the offence is guilty of the offence whether or not the corporation has been prosecuted for the offence.

Bylaw No. 978-2018

SEWERS BYLAW

PAGE 9

- (2) If a partner in a partnership is guilty of an offence under this bylaw, each partner in that partnership who authorized the act or omission that constitutes the offence or assented to or acquiesced or participated in the act or omission that constitutes the offence is guilty of the offence.

FINES AND PENALTIES

- 33 (1) A person who is guilty of an offence is liable to a fine in an amount not less than that established in this section, and not exceeding \$10,000, and to imprisonment for not more than six months for non-payment of a fine.
- (2) Without restricting the generality of subsection (1), the following fine amounts are established for use on violation tickets if a voluntary payment option is offered:
- (a) \$2,000 for any offence for which a fine is not otherwise established in this section;
 - (b) \$500 for any offence under sections 8 or 22; and
 - (c) \$100 for any offence under section 23.

MUNICIPAL TAG

- 34 If a municipal tag is issued in respect of an offence the municipal tag must specify the fine amount established in this bylaw for the offence.

PAYMENT IN LIEU OF PROSECUTION

- 35 A person who commits an offence may, if a municipal tag is used in respect of the offence, pay the fine amount established by section 34, and if the amount is paid on or before the date specified on the municipal tag, the person will not be prosecuted for the offence.

VIOLATION TICKET

- 36 If a violation ticket is issued in respect of an offence, the violation ticket may:
- (a) specify the fine amount established in section 34 for the offence; or
 - (b) require the person charged to appear in court without the alternative of making a voluntary payment.

Bylaw No. 978-2018
SEWERS BYLAW

PAGE 10

VOLUNTARY PAYMENT

37 A person who commits an offence may:

- (a) if a violation ticket is issued in respect of the offence; and
- (b) if the violation ticket specifies the fine amount established in section 34 for the offence;

make a voluntary payment equal to the specified fine.

ORDER TO COMPLY

38 (1) If the City Manager believes, on reasonable grounds, that a person is contravening any provision of this bylaw, the City Manager may, by written order, require any person responsible for the contravention to remedy it.

(2) The order may:

- (a) direct a person to stop doing something or to change the manner in which the person is doing it;
- (b) direct a person to take any actions or measures necessary to remedy the contravention of the bylaw and, if necessary, to prevent a re-occurrence of the contravention;
- (c) state a time within which the person must comply with the directions;
- (d) state that if the person does not comply with the directions within a specified time, the City will take the action or measure.

(3) A person named in and served with an order issued pursuant to this section shall comply with any action of measure required to be taken within the time specified.

(4) An order issued pursuant to this section may be served:

- (a) in the case of an individual:
 - (i) by serving it personally to the individual;

Bylaw No. 978-2018
SEWERS BYLAW

PAGE 11

- (ii) by leaving it for the individual at their apparent place of residence with someone who appears to be 18 years of age; or
 - (iii) by mail addressed to the individual at their apparent place of residence or at any address for the individual on the tax roll of the City or at the Land Titles registry; and
- (b) in the case of a corporation:
- (i) by delivering it personally to any director or officer of the corporation;
 - (ii) by delivering it personally a person apparently in charge of an office of the corporation at an address held out by the corporation to be its address; or
 - (iii) by mail addressed to the registered office of the corporation.

ADDITIONAL COSTS

39 In addition to any fines, or other penalties, the City may collect:

- (a) from the owner of a premises, the cost of any sewer work performed by the City on that premises;
- (b) from a person who has damaged the sewerage system, the cost the City incurs in repairing that damage; and
- (b) from a person who has contravened this bylaw, all costs incurred by the City as a result of that contravention.

OBSTRUCTION

40 A person shall not obstruct or hinder any person in the exercise or performance of the person's powers pursuant to this bylaw.

PART V - GENERAL

POWERS OF THE CITY MANAGER

41 Without restricting any other power, duty or function granted by this bylaw the City Manager may:

Bylaw No. 978-2018
SEWERS BYLAW

PAGE 12

- (a) carry out any inspections necessary to determine compliance with this bylaw;
- (b) take any steps or carry out any actions necessary to enforce this bylaw;
- (c) take any steps or carry out any actions necessary to remedy a contravention of this bylaw;
- (d) establish areas or instances where activities restricted by this bylaw are permitted;
- (e) establish forms for the purposes of this bylaw;
- (f) issue permits with such terms and conditions as are deemed appropriate;
- (g) establish the criteria to be met for a permit pursuant to this bylaw;
- (h) disconnect any access to the sewerage system if:
 - (i) a property appears abandoned,
 - (ii) a person fails to comply with this bylaw, or
 - (iii) there is a threat to human health or the integrity of the sewerage system; and
- (i) delegate any powers, duties or functions under this bylaw to an employee of the City.

SAMPLING

- 42 Any sampling required to establish an offence may be conducted manually or automatically and may use additives for preservation.

TESTING

- 43 All tests, measurements, analyses and examinations shall be carried out in accordance with "Standard Methods" by a laboratory that is properly accredited.

CERTIFIED COPY OF RECORD

- 44 A copy of a record of the City, certified by the City Manager as a true copy of the original, shall be admitted in evidence as *prima facie*

Bylaw No. 978-2018

SEWERS BYLAW

PAGE 13

proof of the facts stated in the record without proof of the appointment or signature of the person signing it.

PERMITS

- 45 (1) A person to whom a permit has been issued pursuant to this bylaw, and any person carrying out an activity otherwise regulated, restricted or prohibited by this bylaw pursuant to such permit, shall comply with any terms or conditions forming part of the permit.
- (2) A person shall not make any false or misleading statement or provide any false or misleading information to obtain a permit pursuant to this bylaw.
- (3) If any term or condition of a permit issued pursuant to this bylaw is contravened or if a false or misleading statement or false or misleading information was provided to obtain the permit, the City Manager may immediately cancel the permit.
- (4) A person shall immediately produce a permit issued pursuant to this bylaw when requested to do so by a peace officer.

PROOF OF PERMIT

- 46 The onus of proving a permit or approval has been issued in relation to any activity otherwise regulated, restricted or prohibited by this bylaw is on the person alleging the existence of such a permit on a balance of probabilities.

FEES

- 47 Fees for use of the sewerage system are as set out in the *Fees Bylaw* and may be calculated based on the averages of available sampling, or estimates of use, if necessary.

REPEAL

- 48 Bylaw 536-2003 is repealed.

**Bylaw No. 978-2018
SEWERS BYLAW**

PAGE 14

EFFECTIVE DATE

49 This bylaw shall come into force and effect when it receives Third Reading and is duly signed.

READ A FIRST TIME IN COUNCIL THIS 14TH DAY OF JANUARY, 2019.

READ A SECOND TIME IN COUNCIL THIS 14TH DAY OF JANUARY, 2019.

READ A THIRD TIME IN COUNCIL AND FINALLY PASSED THIS 14TH DAY OF JANUARY, 2019.

“Original Signed”

Bob Young
MAYOR

“Original Signed”

Sandra Davis
CITY CLERK

January 14, 2019

Date Signed

Bylaw No. 978-2018
SEWERS BYLAW

PAGE 15

Schedule A

PROHIBITED WASTE

The following matter is prohibited from the sewerage system or any watercourse:

- 1 Any matter at a concentration that may cause a hazard to human health.
- 2 Any matter that may become a hazard to persons, property, animals, or the environment.
- 3 Any matter that may interfere with the proper operation of the sewerage system.
- 4 Wastewater containing two or more separate layers.
- 5 Wastewater having a:
 - (a) temperature greater than 75 degrees Celsius; or
 - (b) a pH less than 6.0 or greater than 10.5.
- 6 Any matter capable of creating air pollution.
- 7 Effluent from an industrial garbage grinder.
- 8 A hazardous substance, as set out in the *Waste Control Regulation*, Alta Reg 192/1996.
- 9 Any substance or mixture of substances, other than a pesticide, that exhibits characteristics of flammability, corrosivity, reactivity or toxicity.
- 10 Any liquid with a flash point of not less than 37.8 degrees Celsius and not more than 93.3 degrees Celsius.
- 11 Biomedical waste as defined in the *Waste Control Regulation*, Alta Reg 192/1996, including but not limited to:
 - (a) human anatomical waste,
 - (b) animal waste,
 - (c) untreated microbiological waste,
 - (d) waste sharps, or
 - (e) untreated human blood or other bodily fluid known to contain any human pathogen in Risk Group 4, as defined in the *Human Pathogens and Toxins Act*, SC 2009, c. 24.

Bylaw No. 978-2018
SEWERS BYLAW

PAGE 16

- 12 Specified risk material, as defined in the *Fertilizers Regulations, CRC, c. 666*.
- 13 Dyes or other colouring materials that are unlikely to be removed by the sewerage system.
- 14 Any ignitable substance intended for use as fuel, including but not limited to:
 - (a) alcohol;
 - (b) gasoline;
 - (c) naphtha;
 - (d) diesel fuel; and
 - (e) fuel oil.
- 15 Ignitable waste, including substances that:
 - (a) are liquid, other than an aqueous solution containing less than 24 percent alcohol by volume, and having a flash point less than 93 degrees Celsius, as determined by the Tag Closed Cup Tester (ASTM D-56-97a), the Setaflash Closed Cup Tester (ASTM D-3828-97 or ASTM D-3278-96e1), the Pensky-Martens Closed Cup Tester (ASTM D-93-97), or as determined by an equivalent test method;
 - (b) are solid and capable, under standard temperature and pressure, of causing fire through friction, absorption of moisture or spontaneous chemical changes and, when ignited, burn so vigorously and persistently that they create a danger;
 - (c) are ignitable compressed gases; or
 - (d) are oxidizing substances.
- 16 Human pathogens or toxins, as those terms are defined in the *Human Pathogens and Toxins Act, SC 2009, c. 24*.
- 17 Monochlorinated biphenyl, polychlorinated biphenyl, or any mixture containing either of those substances.
- 18 A pest control product, as defined in the *Pest Control Products Act, SC 2002, c. 28*.
- 19 Any matter that is normally unstable and readily undergoes violent changes without detonating.

Bylaw No. 978-2018
SEWERS BYLAW

PAGE 17

- 20 Any matter that reacts violently with water, including but not limited to:
- (a) matter that is potentially explosive when heated under confinement or subjected to a strong initiating force;
 - (b) matter that is potentially explosive at standard temperature or pressure;
 - (c) matter that potentially generates toxic gases, vapours, or fumes in a quantity sufficient to present danger to human health or the environment;
 - (d) cyanide or sulphide bearing waste which, when exposed to pH conditions between 2 and 12.5, can generate toxic gases, vapours or fumes in a quantity sufficient to present danger to human health or the environment; and
 - (e) an explosive, as defined in the *Explosives Act*, RSC 1985, c. E-17.
- 21 Substances determined to be toxic pursuant to the *Canadian Environmental Protection Act*, 1999, SC 1999.
- 22 Radioactive substances that would be prohibited from release pursuant to the *Nuclear Safety and Control Act*, SC 1997, c. 9.
- 23 Solid or viscous substances capable of obstructing the flow of material through the sewerage system, including but not limited to:
- (a) agricultural waste;
 - (b) animals parts or tissues;
 - (c) ashes;
 - (d) asphalt;
 - (e) bones;
 - (f) cement based products;
 - (g) cinders;
 - (h) feathers;
 - (i) garbage;
 - (j) gardening wastes;
 - (k) glass;
 - (l) metal;
 - (m) mud;
 - (n) paper and paper based products;
 - (o) paunch manure;
 - (p) plastics;
 - (q) rags or cloth;
 - (r) rock;
 - (s) sand;

Bylaw No. 978-2018
SEWERS BYLAW

PAGE 18

- (t) sharps;
- (u) soil;
- (v) straw;
- (w) shavings;
- (x) tar;
- (y) wash water from equipment used in the preparation of cement; and
- (z) wood and sawdust or wood shavings.

24 water from a swimming pool having a volume of 100 cubic meters or more.

Bylaw No. 978-2018
SEWERS BYLAW

PAGE 19

SCHEDULE "B"

RESTRICTED WASTE FOR SANITARY SEWERS

The following matter is restricted in the sanitary sewer when it appears at concentration levels greater than or equal to the following:

CONVENTIONAL CONTAMINANTS

| | | |
|---|---------------------------------|-------------|
| 1 | Biochemical Oxygen Demand | 10,000 mg/L |
| 2 | Chemical Oxygen Demand | 20,000 mg/L |
| 3 | Nitrogen, Total Kjeldahl | 500 mg/L |
| 4 | Oil and Grease, Total..... | 500 mg/L |
| 5 | Phosphorus, total | 200 mg/L |
| 6 | Suspended Solids..... | 5,000 mg/L |

INORGANIC CONTAMINANTS

| | | |
|----|---|-------------|
| 7 | Aluminum (Al) | 50.0 mg/L |
| 8 | Arsenic (As) | 1.0 mg/L |
| 9 | Boron (B) | 30.0 mg/L |
| 10 | Cadmium (Cd) | 0.10 mg/L |
| 11 | Chlorine (Free) (Cl ₂) | 5.0 mg/L |
| 12 | Chromium (Hexavalent) (Cr ⁺⁶) | 2.0 mg/L |
| 13 | Chromium, Total (Cr) | 4.0 mg/L |
| 14 | Cobalt (Co)..... | 5.0 mg/L |
| 15 | Copper (Cu) | 2.0 mg/L |
| 16 | Cyanide (CN) | 2.0 mg/L |
| 17 | Fluoride (F ⁻) | 10.0 mg/L |
| 18 | Lead (Pb)..... | 1.0 mg/L |
| 19 | Mercury (Hg) | 0.10 mg/L |
| 20 | Molybdenum (Mo)..... | 5.0 mg/L |
| 21 | Nickel (Ni) | 4.0 mg/L |
| 22 | Selenium (Se) | 1.0 mg/L |
| 23 | Silver (Ag) | 5.0 mg/L |
| 24 | Sulphate (SO ₄ ²⁻) | 1500.0 mg/L |
| 25 | Sulphide (S ²⁻) | 1.0 mg/L |
| 26 | Sulphide (S ⁼) | 3.0 mg/L |
| 27 | Thallium (Tl) | 1.0 mg/L |
| 28 | Zinc (Zn) | 2.0 mg/L |

ORGANIC CONTAMINANTS

| | | |
|----|----------------------------|-----------|
| 29 | Benzene..... | 0.5 mg/L |
| 30 | Carbon tetrachloride | 0.20 mg/L |
| 31 | Chloroform | 0.20 mg/L |
| 32 | Ethylbenzene | 0.5 mg/L |
| 33 | Hydrocarbons..... | 100 mg/L |

Bylaw No. 978-2018
SEWERS BYLAW

PAGE 20

| | | |
|----|--|-----------|
| 34 | Pentachlorophenols | 0.20 mg/L |
| 35 | Phenols, Total (or phenolic compounds) | 1.0 mg/L |
| 36 | Toluene | 0.5 mg/L |
| 37 | Xylene | 0.5 mg/L |

PHYSICAL PARAMETERS

| | | |
|----|---|-----------------------|
| 38 | Flashpoint | 60.5° C |
| 39 | Lower Explosive Limit (LEL) in headspace | 10% |
| 40 | pH | 6.0 – 11.5 |
| 41 | Temperature | 60° C |
| 42 | Dye or colouring material | 500 true colour units |
| 43 | Radioactive substances prohibited from release pursuant to the <i>Nuclear Safety and Control Act, SC 1997, c. 9.</i> | |

**Bylaw No. 978-2018
SEWERS BYLAW**

PAGE 21

SCHEDULE "C"

RESTRICTED WASTE FOR STORM SEWERS

The following matter is restricted in the storm sewer when it appears at concentration levels greater than or equal to the following:

CONVENTIONAL CONTAMINANTS

| | | |
|---|---------------------------------|-------------------|
| 1 | Biochemical Oxygen Demand | 20 mg/L |
| 2 | Chemical Oxygen Demand | 60 mg/L |
| 3 | Oil and Grease | 15 mg/L |
| 4 | Suspended Solids..... | 20 mg/L |
| 5 | Fecal coliforms..... | 100 C.F.U./100 ml |

INORGANIC CONSTITUENTS

| | | |
|----|--|------------|
| 6 | Arsenic (As) | 0.50 mg/L |
| 7 | Cadmium (Cd) | 0.013mg/L |
| 8 | Chlorine (free) (Cl ₂) | 0.20 mg/L |
| 9 | Chromium (Cr) | 0.020 mg/L |
| 10 | Copper (Cu) | 0.030 mg/L |
| 11 | Cyanide (CN) | 0.050 mg/L |
| 12 | Fluoride (F ⁻) | 1.5 mg/L |
| 13 | Lead (Pb)..... | 0.040 mg/L |
| 14 | Mercury (Hg) | 0.001 mg/L |
| 15 | Phosphorous (P) | 0.50 mg/L |
| 16 | Selenium (Se) | 0.010 mg/L |
| 17 | Silver (Ag) | 0.001 mg/L |
| 18 | Thallium (Tl) | 0.010 mg/L |
| 19 | Zinc (Zn) | 0.30 mg/L |

ORGANIC COMPOUNDS

| | | |
|----|---|------------|
| 20 | Benzene | 0.020 mg/L |
| 21 | Carbon tetrachloride | 0.020 mg/L |
| 22 | Chloroform | 0.020 mg/L |
| 23 | Ethylbenzene | 0.020 mg/L |
| 24 | Phenols, Total (or phenolic compounds) | 0.010 mg/L |
| 25 | Toluene | 0.5 mg/L |
| 26 | Xylene | 0.5 mg/L |

PHYSICAL PARAMETERS

| | | |
|----|---------------------------------|-------------------------|
| 27 | pH | 6.0 – 10.5 |
| 28 | Temperature | 75° C |
| 29 | Dye or colouring material | 50 true colour units |
| 30 | Foaming..... | no more than 5m minutes |

Bylaw No. 978-2018
SEWERS BYLAW

PAGE 22

- 31 Radioactive substances prohibited from release pursuant to the *Nuclear Safety and Control Act*, SC 1997, c 9.