

BYLAW NO. XX-YYYY

A BYLAW OF THE CITY OF LLOYDMINSTER IN THE PROVINCES OF ALBERTA AND SASKATCHEWAN TO AMEND BYLAW NO. 15-2021, BEING THE LLOYDMINSTER WASTEWATER BYLAW.

WHEREAS *The Lloydminster Charter* provides authority to City Council to amend bylaws;

NOW THEREFORE the Council of the City of Lloydminster deems it necessary to amend Bylaw No. 15-2021 entitled Lloydminster Wastewater Bylaw; and

NOW THEREFORE, the Council of the City of Lloydminster, pursuant to the authority granted in *The Lloydminster Charter*, enacts as follows:

1. SHORT TITLE

1.1. This Bylaw shall be cited as the Lloydminster Wastewater Amending Bylaw.

2. AMENDMENT

2.1. The Lloydminster Wastewater Bylaw 15-2021 is hereby amended in the following manner:

- Schedule "D" Restricted Wastes Applicable to Storm Sewers and Watercourses be deleted in its entirety and replaced with Schedule "D" attached hereto, and forming part of this Bylaw;
- addition of Schedule "G" attached hereto and forming part of this Bylaw;
- addition of Schedule "H" attached hereto and forming part of this Bylaw.

This Bylaw shall come into force and effect upon the final passing thereof.

INTRODUCED AND READ a first time this ___ day of ____, 20XX, A.D.

READ a second time this ___ day of ____, 20XX, A.D.

READ a third time this ___ day of ____, 20XX, A.D.

Date Signed

MAYOR

Date Signed

CITY CLERK

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SCHEDULE "D"

RESTRICTED WASTES

The following are designated as Restricted Wastes when present in Wastewater, Storm Water, or Subsurface Water being Released to the Storm Sewer or a Watercourse in excess of the limits set out below.

Unless expressed otherwise, concentrations are expressed as total concentrations.

Notwithstanding any limit set out below, the City Manager may require a premise to adhere to site-specific limits where the City Manager determines it appropriate do so.

1. Storm Water and Subsurface Water Contaminants

- 1.1. Storm Water and Subsurface Water Releases are subject to the limits set out in the *Canadian Council of Ministers of the Environment Water Quality Guidelines for the Protection of Aquatic Life*.
- 1.2. More stringent guidelines may be implemented by the City Manager on a case-by-case basis.

2. Sanitary Sewer Contaminants

- 2.1. Table 1: Conventional Contaminants (Sanitary Collection System)

Substance	Overstrength Surcharge Limit (mg/L, except as noted)	Additional Overstrength Surcharge Limit (mg/L except as noted)
Biochemical Oxygen Demand (BOD)	300	1200
Chemical Oxygen Demand (COD)	600	2000
Total Suspended Solids (TSS)	300	1200
Fat, Oil and Grease (FOG)	150	450
Phosphorous	10	25
Ammonia	20	25
Substance	Allowable Values	
pH	6.0 - 10.0 (unitless)	
Temperature	75 degrees Celsius or more	

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2.2. Table 2: Organic Contaminants (Sanitary Collection System)

Organic Contaminants	Limit (mg/L)
Hydrocarbons	0.5
Phenols	0.1

2.3. Table 3: Inorganic Contaminants (Sanitary Collection System)

Inorganic Contaminants	Limit (mg/L)
Aluminum	2.0
Antimony	1.0
Arsenic (As)	1.0
Barium (Ba)	3.0
Boron (B)	1.0
Cadmium, total (Cd)	0.1
Chlorine (Free Chlorine) (Cl ₂)	5.0
Chromium, hexavalent (Cr ₆)	2.0
Chromium (total) (Cr)	2.8
Cobalt, total (Co)	5.0
Copper, total (Cu)	1.0
Cyanide, total (CN)	1.2
Iron (Fe)	1.0
Lead, total (Pb)	0.7
Manganese (Mn)	1.0
Mercury (Hg)	0.01
Molybdenum, total (Mo)	5.0
Nickel, total (Ni)	2.0
Nitrogen, Total Kjeldahl (TKN)	50.0
Selenium, total (Se)	0.8
Silver, total (Ag)	0.4
Sulphide (as H ₂ S)	1.0
Thallium (Tl)	1.0
Zinc (Zn)	2.0

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SCHEDULE "G"

OWNER'S REPORT

The Owner of a premises from which a Release has been reported shall submit a written report to the City Manager within five working days of the Release, which includes:

1. The date and time of the Release;
2. The location of the Release;
3. The duration of the Release;
4. The rate of the Release;
5. Composition of the Release, including the composition and amount of each substance in the Release;
6. The circumstances leading to the Release;
7. The steps taken to minimize, control, or stop the Release;
8. The procedures that will be implemented to prevent similar Releases in the future;
9. A summary of any harm caused by the Release; and
10. Any other information required by the City Manager.

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SCHEDULE "H"

FEES FOR NON-COMPLIANCE AGREEMENTS

1. Determination of Wastewater Overstrength Surcharges

1.1. Using industry standard procedure or testing, as per Section 10 of this Bylaw, the City:

- 1.1.1. will collect a Composite Sample of the Wastewater being released over any twenty-four (24)-hour period or part thereof;
- 1.1.2. will determine the concentration of the surchargeable constituents in the sample, using a standard procedure;
- 1.1.3. will calculate the average concentration of each constituent from a minimum of two (2) Composite Samples taken over a period of more than seven (7) days and not longer than a twelve (12) month period;
- 1.1.4. will calculate the average number of kilograms of each surchargeable constituent per cubic metre of Wastewater, that exceeds the concentration indicated in Schedule D;
- 1.1.5. will assume that the volume of Wastewater corresponds with the water consumption from customer's utility bill;
- 1.1.6. will calculate the sum of the Wastewater Overstrength Surcharges for each parameter which will be invoiced to the business Owner;

$$Flow, m^3 \left[\$/Kg \left(\frac{Parameter - Limit (mg/l)}{1000} \right) \right]$$

* If the concentration of a substance exceeds both the Overstrength surcharge limit and the additional Overstrength surcharge limit, then the Overstrength surcharge limit will be used only for the portion that falls between the Overstrength surcharge limit and the additional Overstrength surcharge limit. For the portion that falls above the additional Overstrength surcharge limit the additional Overstrength surcharge limit will be used.

1.2. Table 5: Fees for Non-Compliance Agreements

- 1.2.1. Table 5 outlines the fees per kilogram assessed when in excess of the Overstrength and Additional Overstrength limits detailed in Schedule D – Table 1 of this Bylaw. Invoices will not be assessed if the total cost for the overages are below \$60.00.

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Substance	Overstrength Surcharge Agreement (Cost per kg)	Additional Overstrength Surcharge Agreement (Cost per kg)
Biochemical Oxygen Demand	\$0.60	\$1.80
Chemical Oxygen Demand	\$0.60	\$1.80
Total Suspended Solids	\$0.24	\$0.72
Fats, Oil, and Grease	\$2.40	\$7.20
Phosphorous	\$2.40	\$7.20
Ammonia	\$7.20	\$21.60

2. Review of Wastewater Overstrength Surcharges

- 2.1. A customer may request a review of the Wastewater Overstrength Surcharge or the Additional Overstrength Surcharge, or both, by applying in writing to the City to have the specific charges reviewed.
- 2.2. The customer making the request will supply to the City:
 - 2.2.1. Analytical data from analyses of Composite Samples:
 - 2.2.1.1. collected over the period for which the surcharge was calculated;
 - 2.2.1.2. collected from the Flow Monitoring Access Point in accordance with Section 7 of this Bylaw;
 - 2.2.1.3. analyzed in accordance with Section 10 of this Bylaw;
 - 2.2.1.4. supported by the analytical data indicating the accuracy and precision of the analyses; and
 - 2.2.1.5. any other information the City deems necessary to carry out the review.
- 2.3. The City will determine whether the Wastewater Overstrength Surcharge, the Additional Overstrength Surcharge, or both, should be recalculated for the time period being reviewed.

3. Late Payment Charges

- 3.1. Accounts receivable by the City shall be considered due and payable upon issuance and finance charges will be applied to an invoice in excess of thirty (30) days in accordance with the Finance Charge Policy, as amended by Council from time to time.
- 3.2. All charges payable to the City by the applicant under this Bylaw shall be paid within thirty (30) days after the date of invoice of the same. If the charges are not paid within the above time, then the services provided under this Bylaw may be discontinued by the City after three (3) days notice in writing has been given to the applicant. After the services under this Bylaw have been discontinued by the City, the applicant will be required to pay a reconnection fee as outlined in Utility Bylaw 26-2016, and as amended by Council from time to time, in addition to any arrears and/or interest before the services shall be continued by the City.