



CITY OF KAMLOOPS

SANITARY SEWER BYLAW NO. 32-35

Effective Date - 1983 December 30

Consolidated for Convenience Only

This is a consolidation of "Sanitary Sewer Bylaw No. 32-35, 1983". The amendment bylaws listed below have been combined with the original bylaw for convenience only. This consolidation is not a legal document. The original bylaws should be consulted for all interpretations and applications on this subject.

Amendment Bylaw

Effective Date

Bylaw No. 32-37 - amends Section 9	December 18, 1984
Bylaw No. 32-40 - amends Schedule A	April 22, 1986
Bylaw No. 32-46 - amends Section 9, due dates	February 12, 1991
Bylaw No. 32-48 - due dates for 1992 and 1993	January 14, 1992
Bylaw No. 32-49 - amends definitions and staff titles	June 16, 1992
Bylaw No. 32-51 - amends Schedule B, connection fees	December 7, 1993
Bylaw No. 32-52 - amends Schedule A, user rates	December 21, 1993
Bylaw No. 32-53 - amends due dates	February 8, 1993
Bylaw No. 32-55 - Schedule A, user rates	December 20, 1994
Bylaw No. 32-57 - Schedule A, user rates	December 19, 1995
Bylaw No. 32-59 - Schedule A, user rates and Schedule C, base rate	January 7, 1997
Bylaw No. 32-61 - amends Schedules A and C, rates	February 9, 1999
Bylaw No. 32-62 - amends Schedules A and C, rates	December 10, 2002
Bylaw No. 32-63 - amends Section 9, due dates	December 16, 2003
Bylaw No. 32-64 - sewage holding tanks - Schedules D and E	January 13, 2004
Bylaw No. 32-65 - amends Schedules A and C, rates	December 7, 2004
Bylaw No. 32-66 - amends Schedules A and C, rates	December 20, 2005
Bylaw No. 32-67 - amends Schedule A, user rates - commercial tipping fees at Mission Flats	August 29, 2006
Bylaw No. 32-68 - amends "Industrial Waste" in Definitions and adds permit requirement prior to discharging into sewer	February 9, 2010
Bylaw No. 32-69 - adds rates for disposal, and disposal after hours, of commercial liquid waste at the Kamloops Sewage Treatment Centre.	November 2, 2010
Bylaw No. 32-70 - adjusts rate structure and operational procedures in consideration of the universal water metering program	May 31, 2011
Bylaw No. 32-71 - amends rate structure	December 13, 2011
Bylaw No. 32-72 - amends rate structure	December 18, 2012
Bylaw No. 32-73 - amends rate structure	December 17, 2013
Bylaw No. 32-74 - amends rate structure	January 1, 2016
Bylaw No. 32-75 - amends Schedules A and B, rates	January 1, 2017
Bylaw No. 32-76 - amends Schedules A and B, rates	January 1, 2018
Bylaw No. 32-77 - amends Schedules A, B, and C, rates	January 1, 2019
Bylaw No. 32-78 - repeals and re-enacts Schedule C	September 30, 2019
Bylaw No. 32-79 - repeals and re-enacts Schedule A, B, and C	December 10, 2019
Bylaw No. 32-80 - add emergency situation clause	May 5, 2020
Bylaw No. 32-81 - repeals and re-enacts Schedule A, B, and C	December 15, 2020

Bylaw No. 32-82 - repeals and re-enacts Schedule A, B, and C	December 21, 2021
Bylaw No. 32-83 - repeals and re-enacts Schedules "A", "B", and "C"	September 27, 2022
Bylaw No. 32-84 - replacing Schedules "A", "B", and "C"	December 12, 2023

The bylaw numbers in the margins of this consolidation refer to the bylaws that amended the principal bylaw "Sanitary Sewer Bylaw No. 32-35, 1983".

This is a consolidated bylaw prepared by the City of Kamloops for information only. To verify the accuracy and currency of this information, please contact Legislative Services at 250-828-3483 or email legislate@kamloops.ca.

CITY OF KAMLOOPS
BYLAW NO. 32-35

(AS AMENDED)

A BYLAW RESPECTING THE SANITARY SEWAGE SYSTEM
OF THE CITY OF KAMLOOPS

WHEREAS under the provisions of the Municipal Act, R.S.B.C. 1979 Chapter 290, a municipality may establish, maintain and operate a sanitary sewage system;

AND WHEREAS the City of Kamloops has already established such a sanitary sewage system;

AND WHEREAS it is deemed expedient to establish additional controls respecting the use of such system and to impose certain charges against owners of properties benefiting from such system.

NOW THEREFORE, the Municipal Council of the City of Kamloops, in open meeting assembled, enacts as follows:

1. This bylaw may be cited for all purposes as the City of Kamloops "Sanitary Sewer Bylaw No. 32-35, 1983".
2. Bylaw No. 32-28 and all amendments thereto are hereby repealed.
3. Metric units are used for all measurements in this bylaw.

DEFINITIONS

4. In this bylaw, unless the context otherwise requires:

"Accessible" means having access thereto but which first requires removal of an access panel, door or similar obstruction.

"B.O.D.5" (denoting biochemical oxygen demand) means the quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure in five (5) days at 20° Centigrade, expressed in milligrams per litre.

(32-49) "Building Inspection Manager" means the person appointed as such from time to time by the City of Kamloops and any person delegated to assist him in carrying out his duties under this bylaw.

(32-64) "Building sewer service" means that portion of the pipe from the property line up to and including all portions of the sanitary sewage collection system within any given building inclusive of any on site sanitary sewer holding tank.

"City" means the City of Kamloops.

"Commercial" means all buildings other than residential.

"Customer" means the registered owner or occupier of the property.

DEFINITIONS (CONTINUED)

“Family unit” means an individual or 2 or more persons closely related by blood, marriage or adoption sharing one dwelling, or 3 or less unrelated persons sharing the same dwelling.

“Farm animal” means a domesticated animal normally raised for food, milk, or as a beast of burden, and without limiting the generality of the foregoing, includes cattle, horses, swine, sheep, goats, mules, donkeys, asses and oxen.

“Garbage” means solid wastes from the preparation, cooking and dispensing of food or from the handling, storage and sale of produce.

(32-68) “Industrial Wastewater” means all wastewater and water carried waste from any industrial activity, but does not include domestic wastewater.

“Natural outlet” means any outlet into a watercourse, pond, ditch, lake or other body of surface or ground water.

“Person” means any individual, firm, company, association, society, corporation, group or municipality.

“pH” means the logarithm of the reciprocal of the weight of hydrogen ions in grams per litre of solution and denotes alkalinity or acidity.

“Properly shredded garbage” means garbage that has been shredded to such a degree that all particles will be carried freely under the flow conditions normally prevailing in the City sewer mains. In no case shall these particles be greater than 6 mm in any dimension.

(32-70)
(32-73)
(32-77) “Civic Operations Director” means the person appointed as such from time to time by the City of Kamloops and any person delegated to assist him in carrying out his/her duties under this bylaw.

“Readily accessible” means direct access without the necessity of removing or moving away any panel, door or similar obstruction.

“Residential” means all single family dwellings, duplexes, semi-detached or row housing.

“Sanitary sewer main” means any sewer which carries sewage and to which storm, surface or ground waters are not intentionally admitted.

(32-49) “Service connection” means a pipe connecting a sanitary sewer main to a building sewer service at the property line of a parcel of land.

(32-64) “Sewage holding tank” means a tank or series of tanks intended to store domestic sewage conveyed by a building sewer service until the sewage can be transported by tanker truck to an approved location.

“Sewage or wastewater” means a combination of the water carried wastes from residential and commercial buildings, together with such ground water, surface and storm waters as may be present.

“Sewage system” means all facilities for collecting, pumping, treating and disposing of sewage.

DEFINITIONS (CONTINUED)

- (32-74) "Sewage Treatment Centre" means any arrangement of devices and structures used for treating sewage.
- "Sewer" means a pipe or conduit for carrying sewage.
- "Standard methods" means the methods and procedures set out in the latest edition of "Standard Methods for the Examination of Waste and Wastewater" published by the American Public Health Association, American Waterworks Association and the Water Pollution Control Federation.
- "Suspended solids" means solids that either float on the surface of, or are in suspension in water, sewage or other liquids and which are removable by laboratory filtering.
5. The City shall continue to maintain, operate and extend its sanitary sewage system as required.
- (32-49)
(32-77) 6. The operation of the said sanitary sewage system shall be under the direction of the Civic Operations Director.

SEWER RATES

7. A charge shall be and is hereby imposed upon the owners of real property situate both inside and outside the corporate limits of the City of Kamloops for the use of the City sewage system.
- (32-57) 8. All rates, rents and tolls to be paid by customers for the use of the City sewage system shall be those stated in Schedules "A" and "F" attached to and forming part of this bylaw.
- (32-70) 9. (a) 'Metered Accounts' - The residential metered wastewater rate will only be valid until December 31, 2011. One-fourth of the annual rates set out in Schedule "A" attached to and forming part of this bylaw shall be due and payable quarterly on or before the due dates of March 31, June 30, September 30, and December 31, in each and every year, provided that if any of these days fall on a Saturday, Sunday, or statutory holiday, then the due date shall be the earliest day preceding March 31, June 30, September 30, and December 31, as the case may be, during which the City offices are open for business. Payments shall be applied to the oldest balance first.
- Until December 31, 2011, quarterly rates paid in full on or before the applicable due dates shall qualify for a discount equal to ten per cent (10%) of the current quarterly amount due. Any balance remaining unpaid by the applicable due dates will result in the loss of the discount.
- (b) 'Flat Rate Accounts' - One-fourth of the annual rates set out in Schedule "B" attached to and forming part of this bylaw shall be due and payable quarterly on or before the due dates of March 31, June 30, September 30, and December 31, in each and every year, provided that if any of these days fall on a Saturday, Sunday, or statutory holiday, then the due date shall be the earliest day preceding March 31, June 30, September 30, and December 31, as the case may be, during which the City offices are open for business. Payments shall be applied to the oldest balance first.
- (32-80) In emergency situations, Council may, by resolution, offer interest relief on unpaid accounts.

SEWER RATES (CONTINUED)

Until December 31, 2011, quarterly rates paid in full on or before the applicable due dates shall qualify for a discount equal to ten per cent (10%) of the current quarterly amount due. Any balance remaining unpaid by the applicable due dates will result in the loss of the discount.

Effective January 1, 2012, all amounts not paid by the applicable due dates will be subject to twelve per cent (12%) interest per annum calculated annually. Payments must be received by the City on or before the applicable due dates in order for the customer to avoid interest charges. Payments made at a financial institution must be received by the City on or before the applicable due dates in order for the customer to avoid interest charges.

- (32-70) 10. (a) Non-receipt of a utility bill will not exempt the customer from payment for the service received.
- All sewer rate charges, sewer service connections and other fees or charges imposed under this bylaw on the premises in respect of which they are imposed and, if unpaid on December 31 of the year in which they are imposed and due and payable, on that date, shall be deemed to be taxes in arrears.
- (32-37) (b) Any customer paying rent, rate or toll for use of the City sewage system shall be liable for same until they have given notice in writing to the City Utilities Department of their desire to discontinue the use thereof. Any service supplied for a portion of a month shall be charged as if it were a full month.
- (c) No person shall knowingly withhold information about the use of his premises that could affect utility rates or charges. It is the responsibility of the owner to notify the Utilities Department in writing when any changes or modifications are made to his premises that may affect his utility rates. Failure to provide the said notification will constitute a violation of this bylaw. In addition, it shall be reasonable and lawful for the City to bill and collect from the owner the appropriate rates, tolls and charges from the time the changes or modifications to his premises were found to have first existed.
- (32-49)
(32-77) (d) The Civic Operations Director is responsible for interpretation of the sanitary sewer rates schedule, and any person who feels that he has been unjustly charged or incorrectly billed for the service may appeal directly to the Civic Operations Director in writing.

SEWER SERVICE CONNECTIONS

- (32-49) 11. Application for service connection shall be made in writing on the form provided for that purpose, giving the legal description or municipal address of the property to be served and all other information that may be required in order that the correct rates, rents or tolls can be applied.
- (32-70) 12. Upon receipt of such application, and provided the City's sanitary sewer mains are laid to within 20 m of the customer's property, the City will tap the main and lay a service pipe to the nearest boundary of the applicant's property and for such connection the City shall be entitled to demand and receive from the applicant, in advance, for a 100 mm diameter residential service, such fee as outlined in Schedule "D" attached to and forming part of this bylaw.

SEWER SERVICE CONNECTIONS (CONTINUED)

- (32-49) 13. Where application for service connection has been made in accordance with this bylaw and it is found that no sanitary sewer mains are within 20 m, the applicant may have the option to:
- (32-49)
(32-77) (a) at the discretion of the Civic Operations Director, pay in advance for such extra service connection which is required, the sum according to the City's estimated cost;
- (b) accept a full return of monies paid at time of service application.
- (32-49) 14. Charges for service connection shall be made according to the City's estimated cost, when:
- (a) the size of residential service is larger than 100 mm in diameter, or,
- (b) regardless of size, the service is to be used for other than a single family residential purpose.
15. The City shall in every case determine the location and size of service pipe to be used, having first given due consideration to any specific requests.
- (32-49) 16. Where a specific size of service connection is requested, and where the City's sewage system cannot readily handle such service, the applicant shall have the option of:
- (a) accepting the size of service connection as determined by the City;
- (b) paying in advance the appropriate cost of upgrading the City's sanitary sewer mains to meet the specific requests, according to the City's estimated cost;
- (c) accepting a full return of monies paid at time of service application.
- (32-49)
(32-77) 17. No person except the duly authorized agents of the City shall uncover, make connection to, use, alter or disturb any sanitary sewer main without the permission of the Civic Operations Director.
- (32-49) 18. All building sewer services shall be constructed and maintained by the customer at his or her expense, to the requirements of this bylaw and those of the British Columbia Plumbing Code. Permit applications for such construction must be made to the City Building Department on the appropriate form provided. Such application shall be supplemented by any plans, specifications or other information considered pertinent by the City Building Department.
- (32-49) 19. Maintenance of the service connection shall be the responsibility of the City.
- (32-77) 20. Any owner of property within the City on which there is located a residential or commercial building and which abuts on any City right-of-way or easement in which there is now or hereafter located a sanitary sewer main of the City, is hereby required to be connected directly to the City sanitary sewer at the owner's expense, in accordance with the British Columbia Plumbing Code and this bylaw within thirty (30) days after notice from the Civic Operations Director to do so.

SEWER SERVICE CONNECTIONS (CONTINUED)

- (32-49)
(32-77)
- Should the owner fail to connect his premises to the City's sewage system within the time specified, the Civic Operations Director may order the required connection to be made by City workmen or others in accordance with this bylaw. All costs resulting from the said connection shall become due and payable by the owner. If the costs are not paid within ninety (90) days, they shall be transferred to, and become part of the owner's utility charges.
21. When any sanitary sewer connection is abandoned, the customer or his authorized agent shall effectively block such connection at a location within 3 m of the property line. Failure to so do within a reasonable time after such abandonment shall be construed as authorization for the City to enter upon the property and so block such connection at the expense of the owner.

PRIVATE SEWAGE DISPOSAL

- (32-64)
(32-70)
22. No person shall construct or maintain any septic tank, cesspool, holding tank, or other facility used for disposal or sewage without approval, in writing, from the Building Inspection Manager and provincial authorities. Sewage holding tanks may be used only as an alternative to an in-ground disposal system where provision of a sanitary sewer collection system is anticipated in the near future. In-ground sewage disposal must be a feasible alternative and holding tanks must be installed and maintained in accordance with Schedules "E" and "F" attached to and forming part of this bylaw.
23. All customers using private sewage disposal systems shall operate and maintain such facilities in a sanitary manner at all times at their own expense.
- (32-64)
24. At such time that the City's sewage system becomes available to the property serviced by a private sewage disposal system, the conditions of Section 20 of this bylaw shall apply. Any septic tank, cesspool, holding tank, or similar facility shall then be abandoned and removed or filled with sand or suitable material as approved by the Building Inspection Manager.
25. No provision contained in this bylaw shall be construed to interfere with any additional requirements that may be required by the Provincial authorities.

USE OF THE SEWAGE SYSTEM

- (32-49)
(32-77)
26. No person shall discharge into any natural outlet any sanitary sewage, industrial waste, or other polluted waters without first obtaining a permit to do so from the Civic Operations Director.
- (32-49)
(32-68)
27. (a) No person shall discharge or cause to be discharged any storm water, surface water, ground water or cooling water into the City sewage system provided that the City Engineer may upon application authorize such discharge where exceptional conditions may require so.
- (b) No person may generate industrial wastewater, nor discharge industrial wastewater into the sanitary sewer, without first obtaining a sanitary sewer discharge permit under the provisions of this bylaw.

USE OF THE SEWAGE SYSTEM (CONTINUED)

28. No person shall block, either wholly or in part of any portion of the City sewage system by failure, omission or neglect to comply with the provisions of this bylaw, and where such blockage occurs, the customer concerned shall, in addition to any penalty for infraction of this bylaw, be liable to the City for all costs of clearing such blockage and for any other costs which the City may be held liable because of such blockage.
29. (a) Grease, oil and sand interceptors shall be provided by the customer on private property for all garages, gasoline service stations, and vehicle or equipment washing establishments.
- (32-49)
(32-77) (b) Interceptors shall also be required for any commercial development when in the opinion of the Civic Operations Director excessive amounts of grease, oil, flammable liquids, sand or other undesirable substances are being discharged into the City sewage works.
- (32-49)
(32-77) (c) All interceptors shall be of a type and capacity approved by the Civic Operations Director and shall be readily accessible for cleaning or inspection.
- (d) The customer shall be responsible for continuous efficient operation at their expense of all interceptors.

EFFLUENT QUALITY

- (32-49)
(32-77) 30. Without changing the generality of the foregoing statements, no person shall discharge or cause or permit to be discharged any of the following into any portion of the City sewage system without obtaining a permit from the Civic Operations Director to do so:
- (a) any sewage or industrial waste in a volume greater than 3,000 m³ per month;
- (b) any liquid or vapour having a temperature higher than 50° C;
- (c) any flammable or explosive material;
- (d) any garbage which is not properly shredded;
- (e) any metal, plastic, wood or other solid or viscous substance capable of causing obstruction or interference with the proper operation of the City sewage collection system or treatment process;
- (f) any excrement from farm animals;
- (g) any waste material from the processing of any animal or portions thereof;
- (h) any noxious or malodorous gas or substance capable of creating a public nuisance;
- (i) any sewage or industrial waste having a pH limit less than 6.0 or greater than 9.5;

EFFLUENT QUALITY (CONTINUED)

- (j) any sewage or industrial waste containing any of the following materials in excess of the indicated concentrations:
- | | |
|--|----------|
| - B.O.D.5 | 300 mg/L |
| - suspended solids | 400 mg/L |
| - total sulphide expressed as H ₂ | 5 mg/L |
| - phenolic compounds | 2 mg/L |
| - oil and grease | 50 mg/L |
| - total cyanide expressed as HCN | 0.2 mg/L |
| - total copper, expressed as Cu | 1.0 mg/L |
| - total chromium, expressed as Cr | 1.0 mg/L |
| - total nickel, expressed as Ni | 1.0 mg/L |
| - total lead, expressed as Pb | 1.0 mg/L |
| - total zinc, expressed as Zn | 1.0 mg/L |
| - total cadmium, expressed as Cd | 1.0 mg/L |
| - total phosphorus, expressed as P | 8.0 mg/L |

PERMIT APPLICATION

- (32-49)
(32-77) 31. Any person who, under the provisions of this bylaw is required to obtain a permit, shall make a request in writing to the Civic Operations Director and shall not discharge any effluent into the City sewage system until written approval is received
- (32-49)
(32-77) 32. Each permit application shall contain the chemical and physical analysis information related to the quantity and rate of discharge and proposed pretreatment or any other detailed information the Civic Operations Director may require.
33. No person shall fail to obtain a permit, where required to do so under the provisions of this bylaw.

CONDITIONS OF PERMIT

- (32-49)
(32-77) 34. The Civic Operations Director has the authority to set or regulate at any time, any rates or conditions particular to each permit application.
- (32-77) 35. When required by the Civic Operations Director, any person required to obtain a permit shall at his expense, install and maintain a control structure connected to allow observation, sampling and measurement of the sewage or wastewater, suitable to the Civic Operations Director Such structure shall at all times be safe and accessible to authorized City personnel.
36. Any measurements, tests or analyses of sewage or industrial waste which are required under provisions within this bylaw shall be determined in accordance with standard methods. All samples for testing shall be taken from the control structure provided for that purpose or where no structure exists the nearest downstream manhole in the City sewage works shall be deemed to be the control structure.
37. Any person making application for permit shall at his expense provide pretreatment facilities that may be necessary to make the sewage or industrial waste acceptable to the standards set out in this bylaw. Where pretreatment facilities are provided they shall be maintained continuously in a satisfactory and effective manner by the applicant at no expense to the City.

CONDITIONS OF PERMIT (CONTINUED)

- (32-49) 38. In cases where no pretreatment can be provided and with the approval of the City Engineer, a special agreement can be made between the City and the person concerned whereby industrial waste of an unusual strength or nature may be accepted by the City for treatment subject to payment by the party concerned for such service.

AUTHORITIES

- (32-49)
(32-77) 39. Any person duly authorized by the Civic Operations Director shall be permitted to enter upon all property for the purpose of inspection, observation, measurement, sampling and testing in accordance with the provisions of this bylaw. If such inspection discloses any failure to comply with the provisions of this bylaw, the Civic Operations Director shall notify the customer to rectify the said failure and in case of non-compliance, the licence to operate or occupy the premises shall be cancelled until proper alterations have been made.

PENALTIES

40. (a) Every person who violates any of the provisions of this bylaw or who suffers or permits any act or thing to be done in contravention or in violation of any of the provisions of this bylaw, who neglects to do or refrains from doing anything required to be done by any of the provisions of this bylaw or who does any act which violates any of the provisions of this bylaw, is guilty of an offence against this bylaw and liable to the penalties hereby imposed. Each day that a violation continues to exist shall constitute a separate offence.
- (b) Every person who commits an offence against this bylaw is liable to a fine and penalty of not more than Two Thousand Dollars (\$2,000.00) and not less than Twenty-Five Dollars (\$25.00) for each offence, and in default of payment thereof, forthwith or within such time as the presiding Provincial Court Judge or Justice of the Peace shall direct, the fine imposed shall be recoverable under the provisions of the *Offence Act* R.S.B.C. 1979, Chapter 305 and all amendments thereto.
- (32-64) (c) Where security has been submitted for sanitary waste facilities constructed in accordance with this bylaw, violation of the bylaw shall permit the City to draw on the entirety of the security to remedy the offence. Remedy may mean the installation of an in-ground disposal system to accommodate the use on the property and shall not include landscape restoration.
- (32-70) 41. Schedules
- Schedule "A" - Commercial Wastewater Metered Rates
- Schedule "B" - Residential and Commercial Wastewater Flat Rates
- (32-84) Schedule "C" - Commercial Liquid Waste Disposal and Wastewater Disposal Rates
- Schedule "D" - Connection Fees
- Schedule "E" - Sewage Holding Tanks - General Requirements
- Schedule "F" - Holding Tanks - Technical Requirements

ORIGINAL SIGNED BY R. M. LATTA

 MAYOR

ORIGINAL SIGNED BY G. R. HAYWARD

 CITY ADMINISTRATOR

SANITARY SEWER RATES

SCHEDULE “A”—COMMERCIAL WASTEWATER METERED RATES

32-84

The commercial wastewater metered rate consists of two components: the commercial fixed charge and the commercial variable consumption charge. The commercial fixed charge covers the cost of the infrastructure to provide wastewater collection and treatment and is determined based on the size of the water service to a property. The commercial variable consumption charge covers the cost of wastewater collection and treatment and is determined as a percentage of the water consumed at a property. These charges are outlined in Tables A-1 and A-2 below.

Table A-1 - Commercial Fixed Charges

Description	Annual Charge (Effective January 1, 2024)
For each property with a 20 mm or smaller water service	\$364.96
For each property with a 26 mm water service	\$729.92
For each property with a 32 mm water service	\$1,277.27
For each property with a 38 mm water service	\$1,824.65
For each property with a 51 mm water service	\$4,379.17
For each property with a 64 mm water service	\$6,310.90
For each property with a 76 mm water service	\$9,123.50
For each property with a 102 mm water service	\$16,422.06
For each property with a 152 mm water service	\$31,019.62

Table A-2 - Commercial Variable Consumption Charges

Description	Cubic Metre Charge (Effective January 1, 2024)
For customers in the Campbell Creek Industrial Park	\$14.13
For all other users of water meters (based on calculated flows)	\$0.68

SANITARY SEWER RATES

32-84

SCHEDULE “B”—RESIDENTIAL AND COMMERCIAL WASTEWATER FLAT RATES

The residential and commercial wastewater flat rates consist of two components: the residential fixed charge and the residential and commercial user charge. The residential fixed charge covers the cost of the infrastructure to provide wastewater collection and treatment and is determined based on the size of the water service to a property. The residential and commercial user charge covers the cost of wastewater collection and treatment. These charges are outlined in Tables B-1 and B-2 below.

Table B-1 - Residential Fixed Charges

Description	Annual Charge (Effective January 1, 2024)
For each property with a 20 mm or smaller water service	\$282.93
For each property with a 26 mm water service	\$565.85
For each property with a 32 mm water service	\$990.16
For each property with a 38 mm water service	\$1,414.50
For each property with a 51 mm water service	\$3,394.80
For each property with a 64 mm water service	\$5,658.07
For each property with a 76 mm water service	\$7,888.75
For each property with a 102 mm water service	\$12,730.61
For each property with a 152 mm water service	\$24,046.84

Table B-2 - Residential and Commercial User Charges

Description	User Charge (Effective January 1, 2024)
For each family unit	\$210.45
For each rentable room in rooming or boarding homes	\$118.33
For each commercial unit (using the same or less than a family)	\$210.45

- The minimum charge for any non-metered (water) customer is equal to the family unit rate.
- Where two or more uses are made of a single property or building, multiples or combinations of the user rates will apply.
- If a property is served by more than one sewer service, multiples or combinations of the base rate may apply.

SANITARY SEWER RATES

32-84

SCHEDULE "C" - COMMERCIAL LIQUID WASTE DISPOSAL AND WASTEWATER
DISPOSAL RATES

- For liquid waste disposal at the Mission Flats liquid waste disposal site (310 Mission Flats Road), a tipping fee of \$53.84 per cubic metre will apply.
- For liquid waste disposal at the Kamloops Sewage Treatment Centre disposal site, a tipping fee of \$55.19 per cubic metre to be billed based on the full capacity of the vehicle hauling the wastewater will apply.
- For access to the Kamloops Sewage Treatment Centre for disposal of commercial liquid waste outside of normal operating hours (as determined by the City of Kamloops from time to time), a fee of \$220.76 per load in addition to the regular (per cubic metre) tipping fee will apply.

SANITARY SEWER RATES

(32-70)

SCHEDULE "D" - CONNECTION FEES

Description

Annual Charge

For each 101.6 mm residential single-family service installed between:

(32-74)
(32-77)

April 1 and October 31, inclusive

Will be set at the average previous year's cost for April 1 to October 31 as certified by the Corporate Services Director

(32-74)
(32-77)

November 1 and March 31, inclusive

Will be set at the average previous year's cost for November 1 to March 31 as certified by the Corporate Services Director

Restoration of:

(32-74)
(32-77)

- Curb

Will be set at the average previous year's cost for April 1 to March 31 as certified by the Corporate Services Director

(32-74)
(32-77)

- Gutter

Will be set at the average previous year's cost for April 1 to March 31 as certified by the Corporate Services Director

(32-74)
(32-77)

- Sidewalk

Will be set at the average previous year's cost for April 1 to March 31 as certified by the Corporate Services Director

PRIVATE SEWAGE DISPOSALSCHEDULE "E"SEWAGE HOLDING TANKS - GENERAL REQUIREMENTS

- (32-70)
1. A sewage holding tank system shall be used for storage only and will receive all sewage generated by the dwelling located on the property. The owner shall be responsible for installing the holding tank and bearing all costs and expenses incidental to the installation and maintenance. The owner shall indemnify the City from any loss or damage that may be directly or indirectly occasioned by the installation, operation, and maintenance of the holding tank.
 2. Every owner of land who intends to install a holding tank system shall submit a plan or plans of the proposed system to the City for approval prior to installation. The plans shall be in such detail as to be acceptable to the City. A permit shall be obtained from the Interior Health Region as required by the BC Sewage Disposal Regulations. This permit shall accompany the plans submission to the City.
 3. No owner shall put into use, modify, expand, or otherwise alter a holding tank system without prior approval of the City as set out in clause "2" above.
 4. The owner shall obtain a "Haulage Contract" with a contractor. The Haulage Contract shall provide for pumping and hauling of the contents of the holding tank system and such contract must be maintained at all times. The wording of the contract must be approved by the City.

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 5. The Haulage Contract shall:
 - a) Guarantee continuous service of the holding tank installation, road accessibility, provision for backup tanker truck service, total contract workload, and other pertinent factors shall be taken into account when providing the guarantee.
 - b) Ensure that the waste disposal vehicles are submitted for inspection at the request of the Civic Operations Director.
 - c) Specify discharge of the sewage pumped out of the holding tanks to a location and in a manner specified by the Civic Operations Director.
 - d) Specify that upon each visit to the approved discharge point, the contractor must deposit with the City a memo for each residence serviced including the date, the address of that residence, and the volume of sewage collected from the residence.
 6. No owner shall enter into a new Haulage Contract or modify an old contract without prior approval as set out in clause "4" above.
 7. The minimum capacity of the holding tank system shall be designed such that the full-time use of the building on the property will require a pump-out frequency of once every seven days (based on the BC Sewage Disposal Regulations pursuant to provincial legislation) or a volume of 10,445 L (2,300 imp. gal.), whichever is greater.

SCHEDULE "E" (CONTINUED)

8. The contractor may be required to visit the premises for the purposes of pumping out the holding tank at intervals of between one and four weeks if water conservation methods such as spring-loaded taps, reduced flush toilets, water conserving shower heads, etc., are utilized. However, holding tanks shall be pumped out more frequently as required to prevent the sewage from reaching the high level elevation of the holding tank.
9. For all holding tank system installations, a restrictive covenant shall be registered against the title of the land in accordance with Section 219 of the Land Title Act. The restrictive covenant shall require that the owner of the lot maintains a Haulage Contract at all times with a contractor and that a copy of the current Haulage Contract is always deposited with the City. The covenant will allow inspectors of the City the right to access at any reasonable time to inspect any part of the holding tank system. The covenant will describe that if the City is made aware that the system is overloaded, has leaked, or overflowed, and if the contractor is contacted and will not perform the work or the contractor cannot be contacted, then the City will attempt to contact the owner of the land. If the owner of the land cannot be contacted or if alternative arrangements cannot be agreed upon, the municipality will arrange to pump out and clean up at a cost which will be charged to the owner. If the charges remain unpaid as of December 31 in any year, they shall be added to and form part of the taxes payable on that land as taxes in arrears.
10. Security as a cash deposit or irrevocable Letter of Credit shall be submitted to the City for a value equivalent to the cost of developing an in-ground sewage disposal system. The security shall be held until the property is connected to the municipal sanitary sewer system or an approved in-ground disposal system is constructed. The security may be reduced to a minimum of \$3,500 if the City adopts a bylaw authorizing a local improvement project to provide a sanitary sewer collection system to the property.
11. The Security may be used by the City to install an in-ground sewer disposal system if the owner fails to maintain the holding tank system or if local residents reject a bylaw authorizing extension of a sanitary sewer collection system to service the property.

PRIVATE SEWAGE DISPOSAL

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SCHEDULE "F"HOLDING TANKS - TECHNICAL REQUIREMENTS

(32-77)

1. Any bypass of the holding tank system is prohibited, and periodic inspections may be made by the Civic Operations Director.
2. All plans submitted showing site location, tank details, electrical details, material specifications, trenching, and backfilling techniques, etc., shall be sealed, signed, and dated by a professional engineer registered in the Province of British Columbia. The engineer shall inspect the installation and certify the testing of the system.
3. The holding tank shall be constructed of reinforced fibreglass, polyethylene, or concrete, and the design shall be submitted for the approval of the Development and Engineering Services Department of the City of Kamloops.
4. The holding tank's shape shall allow complete and easy removal of all liquid and sludge contents therein with a minimum 1.5% slope from end to end down to the discharge point.
5. The tank shall have its own separate vent "goosenecked", be screened, and in a location where problems would not be anticipated from any foul odours. The opening shall be 3 m above the highest ground elevation within 1 m of the tank.
6. Tank capacity shall be based on the proposed pumping frequency plus a factor of safety. The minimum volume allowed will be 10,445 L (2,300 imp. gal.). Appendix "1" of Schedule 2 of the current BC Sewage Disposal Regulations should be utilized to arrive at the minimum daily sewage flow. The minimum volume will then be calculated for a seven-day flow with a factor of safety of 50% included in the total calculation.
7. Two or more prefabricated tanks installed in series may be used to accommodate the capacity required.
8. The operation of the tank will be monitored from a separately mounted, weather tight panel "NEMA enclosure". The panel will consist of:
 - a) An indicator panel showing three lights. A green light will indicate the system is functioning correctly. The orange or amber light will indicate the tank is ready to pump. This would be illuminated when the tank reaches two-thirds capacity. The amber light will be activated by a liquid level float switch attached within the tank. A red light will indicate the system is overloaded. This light will also be activated by a liquid level float switch and it will allow at least enough residual volume within the tank to drain the plumbing of the residence. In addition, once the red light is illuminated, an electrically operated solenoid valve will cut off the water service to the house. This solenoid valve will operate in a "power on" mode, thereby avoiding a water shut-off in the event of a power failure. When the red light is activated, an audible alarm will be heard within the dwelling. This audible signal will remain on until it is turned off at the control panel.
 - b) The siting of the tank shall be accessible to the haulage contractor. Buried tanks must be located within an area of easy access to a road or driveway. The grade from the road to the pump-out location is to be no greater than a maximum of 10%.

SCHEDULE "F" (CONTINUED)

- c) No provision for an overflow pipe is permitted. Should an overflow of the holding tank occur, it is to be designed so that an obvious and immediate problem is created on the surface of the ground at the tank area.
- d) All tank installations shall require leakage testing. This will consist of filling the tank with water to within 3 cm of the rim of the access manhole. This will be left for a minimum of 24 hours. The water level will be brought to within 3 cm of the rim of the access manhole once again. An inspection will be carried out a minimum of 24 hours later, and no drop of the water level will be permitted. This inspection is to be completed by the engineer designing and supervising the installation of the system.