

SEC. 9-2-6 SEWER USER CHARGE SYSTEM.

(a) **Additional Definitions.**

The following terms shall have the following meaning under this Chapter.

- (1) Debt Service Charges shall include all costs associated with repayment of debts incurred for the construction and/or rehabilitation of wastewater collection system and treatment facilities.
 - (2) Normal Domestic Strength Wastewater. Wastewater with concentrations of BOD₅ and suspended solid no greater than two hundred fifty (250) milligrams per liter (mg/l) respectively.
 - (3) Normal User shall be a user whose contributions to the sewerage system consist only of normal domestic strength wastewater originating from a house, apartment, or other living quarters occupied by a person or persons constituting a distinct household, business or commercial enterprise.
 - (4) Operation and Maintenance (O&M) Costs shall include all costs associated with the operation and maintenance of the wastewater collection and treatment facilities. These costs, including costs associated with clear water flows (**I/I**), shall be divided proportionately among the various sewer users.
 - (5) Replacement Costs (R) shall include all costs necessary to accumulate the resources to replace equipment as required to maintain capacity and performance during the design life of the facility. A separate, segregated, distinct replacement fund shall be established and used only for replacement of equipment designated by the fund.
 - (6) Sewer Service Charge is a service charge levied on users of the sewer system for payment of capital expenses, including debt service charges, as well as the operation and maintenance costs, including replacement of said facilities.
- (b) **Policy.** It shall be the policy of the City to obtain sufficient revenues to pay the costs for debt service and the operation and maintenance of the wastewater facilities, including a replacement fund, through a system of sewer service charges as defined in this Section. The system shall assure that each user of the wastewater facilities pays their proportionate share of the cost of such facilities.
- (c) **Basis for Sewer Service Charge.**
- (1) The sewer service charge shall be based on two (2) parts, the Residential Equivalency Charge plus the Sewer Use Charge. If any person discharging sewage into the public sewer system procures any part or all of his water from sources other than the City Water Utility, the person shall furnish, install and maintain at his expense water meters of a type approved by the Water Utility for the purpose of determining the volume of sewage discharged to the sewerage system.
 - (2) The Residential Equivalency Charge shall be sufficient to pay the debt service charges. The Sewer Use Charge shall be sufficient to pay the costs of operation and maintenance, including any replacement fund, of the wastewater facilities. The Common Council has provided the initial estimates of number of users, costs, etc., to calculate the first year's user charges. The rates in this Chapter shall be reviewed not less than biennially. Such review will be performed by the Common Council. Rates shall be adjusted, as required, to reflect the actual number and size of users and actual costs. Users shall be notified annually of the portion of service charges attributable to operation, maintenance, replacement and debt service.

(d) **Residential Equivalency Charge.**

- (1) A Residential Equivalency Charge (REC) is hereby imposed upon each lot, parcel of land, building or premise served by the sewerage system or otherwise discharging sewage, including non-domestic and industrial wastes, into the system. Such residential equivalency charge shall be payable as herein provided and shall be on the basis of one (1) unit for each residential equivalent unit. Each single family dwelling shall be assigned one (1) unit.
- (2) A single family dwelling is defined as a mobile home, a seasonal dwelling, a duplex unit, an apartment unit, a single family detached dwelling or a multi-family unit.
- (3) On or before October 15 of each year, the City Clerk-Treasurer shall recompute the assignment of residential equivalent units to all users within the system. Said recalculation shall be based on the average amount of water used by each customer (other than single family dwellings) compared to the average amount of water used by all single family dwellings for the quarters ending March, June and December. In no event shall each customer (other than single family dwellings) be assigned a residential equivalent unit that is less than one (1) unit. A list of assigned REC units is included in Appendix A, adopted herein by reference. Appendix A shall be reviewed each year by the City Clerk-Treasurer and modified to reflect any change in annual water usage by each customer. A new user will be assigned initial REC units based on Appendix B, adopted herein by reference.
- (4) The Common Council of the City of Galesville, having reviewed the REC Unit and Sewer Use Charge for the City of Galesville Sewer Utility for the year ending December 31, 1999, hereby establish the Residential Equivalency charge of Eight Dollars (\$8.00) per month per REC Unit to cover the debt service plus a volumetric charge of One and 85/100 Dollar (\$1.85) per thousand (1,000) gallons of water for operation, maintenance and replacement costs. The category B charges for non-domestic wastewater shall be based on unit costs of \$1.07/1000 gals plus \$265.17/1000 lbs. BOD plus \$144.81/1000 lbs. SS.

(d) **Sewer Use Charge.**

- (1) A Sewer Use Charge is hereby imposed on all users of the sewerage system based upon the metered water used thereon or therein as calculated by the Water Utility. On or before October 15 of each year, the City Clerk-Treasurer shall recompute the Sewer Use Charge per one thousand (1,000) gallons of water used. This charge shall be computed by dividing the proposed net yearly operation, maintenance and replacement budget as provided in this Section by the previous year's average billable water usage. The residential sewer bills for July, August and September shall be based on the average water usage for October, November and December of the previous year.
- (2) Any refrigeration, air conditioning/humidification system or industrial cooling water not entering the sewerage system shall not be used in computing the Sewer Use Charge if a separate meter is installed. The user of such system shall be responsible for furnishing, installing and maintaining the necessary meter.
- (3) Such Sewer Use Charge shall be payable as hereinafter provided and in an amount determinable as follows:

- a. Category A is defined as normal or domestic strength wastewater having organic concentrations of biochemical oxygen demand (BOD₅) no greater than two hundred (200) milligrams per liter (mg/l) and suspended solids no greater than two hundred fifty milligrams per liter (mg/l). The sewer service charge for Category A wastewater is a volumetric charge calculated as follows:

$$\text{Sewer Use Charge} = (\text{CF} + 0.0017 \text{ CB} + 0.0021 \text{ CS}) \times \text{V} = \text{Cv} \times \text{V}$$

CF = Flow unit price = \$1.00 per 1,000 gallons

CB = BOD unit price = \$282.00 per 1,000 gallons

CS = SS unit price = \$102.00 per 1,000 gallons

V = Total volume of water used during billing periods in units of 1,000 gallons

CV = Volume unit price = \$1.69 per 1,000 gallons

- b. Category B is defined as wastewater having organic concentrations of Biochemical Oxygen Demand (BOD₅) greater than two hundred (200) milligrams per liter (mg/l) and/or suspended solids (SS) greater than two hundred fifty (250) milligrams per liter (mg/l). The minimum Category B charge will be based on a concentration of two hundred (200) mg/l BOD₅ and two hundred fifty (250) mg/l SS. The equation for the monthly Category B is as follows:

$$\text{Sewer Use Charge} = \text{Category A charge}$$

$$+ \frac{\text{BOD}}{1000} \times \text{V} \times 0.00834 \times \text{CB}$$

$$+ \frac{\text{SS}}{1000} \times \text{V} \times 0.00834 \times \text{CS}$$

BOD = Total Biochemical Oxygen Demand expressed in mg/l-200

SS = Total Suspended Solids expressed in mg/l-250

CB = BOD unit price = \$282.06 per 1,000 pounds

CS = SS unit price = \$102.00 per 1,000 pounds

V = Total volume of water used during billing period in units of 1,000 gallons

The Category B charges for non-domestic wastewater shall be based on unit costs of sixty-nine cents per one thousand (\$0.69/1,000) gallons plus two hundred three per one thousand (203/1,000) pounds BOD plus Ninety-one Dollars per one thousand (\$91.00/1,000) pounds SS.

- c. Category C is defined as septage which has organic concentrations of biochemical oxygen demand (BOD) greater than two hundred (200) milligrams per liter (mg/l) and/or suspended solids (SS) greater than two hundred fifty (250) milligrams per liter (mg/l). The equation for the charge is the same as Category B with an additional debt service and administrative charge of Ten Dollars (\$10.00) per load. It will be assumed that holding tank wastewater has a BOD of six hundred (600) mg/l and a SS of one thousand eight hundred (1,800) mg/l and septic tank wastewater has a BOD of five thousand (5,000) mg/l and SS of fifteen thousand (15,000) mg/l unless an actual analysis is furnished by the discharger. This concentration results in a holding tank charge of Four Dollars (\$4.00) per one thousand (1,000) gallons plus Ten Dollars (\$10.00) and a septic tank wastewater charge of Twenty-five Dollars (\$25.00) per one thousand (1,000) gallons plus Ten Dollars (\$10.00).