

ORDINANCE NO. 397

AN ORDINANCE ESTABLISHING THE PROCEDURE FOR DETERMINING EQUITABLE SERVICE CHARGES TO BE LEVIED ON ALL USERS WHICH DISCHARGE WASTEWATER TO THE WASTEWATER SYSTEM OPERATED BY THE CITY OF POLSON AND PROVIDING CERTAIN PROHIBITIONS.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF POLSON, MONTANA:

SECTION 1. PURPOSE

The purpose of this ordinance shall be to generate sufficient revenue to pay all costs for the operation and maintenance of the complete wastewater system. The costs shall be distributed to all users of the wastewater system in proportion to each user's contribution to the total loading of the treatment works.

SECTION 2. DETERMINING THE TOTAL ANNUAL COST OF OPERATION AND MAINTENANCE.

The City of Polson, or its City Engineer, shall determine the total annual costs of operation and maintenance of the wastewater system which are necessary to maintain the capacity and performance, during the service life of the treatment works, for which such works were designed and constructed. The total annual cost of operation and maintenance shall include but need not be limited to, labor, repairs, equipment replacement, maintenance, necessary modifications, power, sampling, laboratory tests, and a reasonable contingency fund.

SECTION 3. DETERMINING EACH USER'S WASTEWATER CONTRIBUTION PERCENTAGE.

The City of Polson, or its City Engineer, shall determine each user's average daily volume of wastewater, which has been discharged to the wastewater system, which shall then be divided by the average daily volume of all wastewater discharged to the wastewater system, to determine each user's Volume Contribution Percentage. The amount used as the total average daily volume of wastewater shall exclude infiltration and inflow. The City of Polson, or its City Engineer, shall determine each user's average daily poundage of 5-day 20 degree Centigrade Biochemical Oxygen Demand (BOD) which has been discharged to the wastewater system which shall then be divided by the average daily poundage of all 5-day BOD discharged to the wastewater system to determine each user's BOD Contribution Percentage.

The City of Polson, or its City Engineer, shall determine each user's average Suspended Solids (SS) poundage which has been discharged to the wastewater system which shall then be divided by the average daily poundage of all Suspended Solids discharged to the wastewater system, to determine the user's Suspended Solids Contribution Percentage. Each user's Volume Contribution Percentage, BOD Contribution Percentage and Suspended Solids Contribution Percentage shall be multiplied by the annual operation and maintenance costs for wastewater treatment of the total volume flow, of the total 5-day 20 degree Centigrade BOD and of the Suspended Solids, respectively.

SECTION 4. DETERMINING A SURCHARGE SYSTEM FOR USERS WITH EXCESS BOD AND SS.

The City of Polson, or its City Engineer, will determine the average suspended solids (SS) and biochemical oxygen demand (BOD) daily loadings for the average residential user. The City of Polson, or its City Engineer, will assess a surcharge rate for all non-residential users discharging wastes with BOD and SS strengths greater than the average residential user. Such users will be assessed a surcharge sufficient to cover the costs of treating such users' above normal strength wastes. Normal strength wastes are considered to be 200 p.p.m. BOD and 250 p.p.m. SS. The surcharge rate structure for such above normal strength waste dischargers is attached. (Exhibit A)

SECTION 5. DETERMINING EACH USER'S WASTEWATER SERVICE CHARGE.

Each non-residential user's wastewater treatment cost contributions as determined in Sections 3 and 4 shall be added together to determine such users' annual wastewater service charge. Residential users

may be considered to be one class of user and an equitable service charge may be determined for each user based upon an estimate of the total wastewater contribution of this class of user. The governing body may classify industrial, commercial, and other non-residential establishments as a residential user, provided that the wastes from these establishments are equivalent to the wastes from the average residential user with respect to volume, suspended solids, and BOD. Each user's wastewater treatment cost contribution will be assessed in accordance with the attached rate schedule. (Exhibit B)

SECTION 6. PAYMENT OF THE USER'S WASTEWATER SERVICE CHARGE AND PENALTIES.

The City shall submit an annual statement to the user for the user's annual wastewater service charge or one-twelfth of the user's annual wastewater service charge may be included with the monthly water and/or wastewater utility billing. The City shall add a penalty of ten percent per month if the payment is not received by the City within 15 days. Should any user fail to pay the user wastewater service charge and penalty within one month of the due date, the City may stop the wastewater service to the property.

SECTION 7. REVIEW OF EACH USER'S WASTEWATER SERVICE CHARGE

The City shall review the total annual cost of operation and maintenance as well as each user's Wastewater Contribution Percentage not less often than every two years and will revise the system as necessary to assure equity of the service charge system established herein and to assure that sufficient funds are obtained to adequately operate and maintain the wastewater treatment works. If a significant user, such as an industry, has completed in-plant modifications which would change that user's Wastewater Contribution Percentage, the user can present at a regularly scheduled meeting of the governing body, such factual information and the City shall then determine if the user's Wastewater Contribution Percentage is to be changed. The City shall notify the user of its findings as soon as possible.

SECTION 8. NOTIFICATION.

Each user will be notified, at least annually, in conjunction with a regular bill, of the rate and that portion of the user charges which are attributable to wastewater treatment services.

SECTION 9. WASTES PROHIBITED FROM BEING DISCHARGED TO THE WASTEWATER TREATMENT SYSTEM.

The discharge of any waters containing toxic or poisonous solids, liquids, or gases in sufficient quantity, either singly, or by interaction with other wastes, to contaminate the sludge of any municipal systems, or to injure or interfere with any sewage treatment process, constitute a hazard to humans or animals, create a public nuisance, or create any hazard in or have an adverse effect on the waters receiving any discharge from the treatment works is hereby prohibited.

SECTION 10. PROHIBITION OF CLEAR WATER CONNECTIONS.

No person shall make connection of roof downspouts, exterior foundation drains, areaway drains, or other sources of surface runoff or groundwater to a building sewer or building drain which in turn is connected directly or indirectly to a public sanitary sewer.

SECTION 11. PROPER DESIGN AND CONSTRUCTION OF NEW SEWERS AND CONNECTIONS.

The size, slope, alignment, materials of construction of all sanitary sewers and sewer connections, and the methods to be used in excavating, placing of the pipe, jointing, testing, and backfilling the trench, shall all conform to the requirements of the building and plumbing code or other applicable rules and regulations of the City of Polson and the State of Montana. In the absence of code provision or in amplification thereof, the materials and procedures set forth in appropriate

specifications of the A.S.T.M. and W.P.C.F. Manual of Practice No. 9 shall apply.

PASSED AND APPROVED this 17th day of November, 1980.

H. Dean Greiner
Mayor

ATTEST:

[Signature]
City Clerk

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EXHIBIT "A"

DETERMINATION OF THE BOD AND SS SURCHARGE RATE
FOR ABOVE NORMAL STRENGTH WASTES

One Average Residential User = \$4.00/month for treating 5,000 gallons/month

or

\$0.80/1,000 gallons/month

Estimated allocation of the costs for the operation and maintenance of the City's wastewater treatment works are as follows:

Q (flow)	=	75% of the O&M Costs
BOD	=	20% of the O&M Costs
SS	=	5% of the O&M Costs

The strength of the average residential user's wastes are:

BOD	=	200 mg/l
SS	=	250 mg/l

1,000 gallons of such wastes would contain 1.67 pounds of BOD and 2.08 pounds of SS. The cost of treatment 1,000 gallons of such wastes is 80 cents. The 80 cents is broken down as follows:

$Q = 75\% \times 80 \text{ cents} = 60 \text{ cents/1,000 gallons}$ (The 60 cents figure does not include the costs of treating the 1.67 pounds of BOD and 2.08 pounds of SS contained in the 1,000 gallons).

$BOD = 20\% \times 80 \text{ cents} = 16 \text{ cents}$ for treatment of the BOD (at 200 mg/l) contained in 1,000 gallons of the waste.

$SS = 5\% \times 80 \text{ cents} = 4 \text{ cents}$ for treatment of the SS (at 250 mg/l) contained in 1,000 gallons of the waste.

25 mg/l of BOD per 1,000 gallons is equivalent to

$16 \text{ cents} \times \frac{25 \text{ mg/l}}{200 \text{ mg/l}} = 2.0 \text{ cents per 25 mg/l per 1,000 gallons}$

25 mg/l of SS per 1,000 gallons is equivalent to

$4 \text{ cents} \times \frac{25 \text{ mg/l}}{250 \text{ mg/l}} = 0.4 \text{ cents per 25 mg/l per 1,000 gallons}$

Any users (residential, commercial or industrial) with flows above 5,000 gallons per month would be assessed 80 cents for each additional 1,000 gallons.

Any users with strengths greater than the average residential wastes (200 mg/l BOD and 250 mg/l SS) would pay an additional charge of 2.0 cents per 1,000 gallons for each 25 mg/l of BOD above 200 mg/l and 0.4 cents per 1,000 gallons for each 25 mg/l of SS above 250 mg/l discharged to the system.

Public Service Commission of Montana

CITY OF POLSON

Sheet No.

SEWER UTILITY

Causality Sheet No.

(Name of Company)

EXHIBIT "B"

Schedule No. 1

Service

Available for: Citizens of the City of Polson

Rate: Based on water consumption:
First 5,000 gallons of water used \$4.00 min bill
all over 5,000 .80 per 1,000 gallons

The average use during November, December, January and February will be used to compute sewer bills for the months of March-October.

For all new connections to the sewer system a fee of \$125.00 will be collected.

Prompt Payment Discount: None

Minimum Bill: \$4.00

Special Terms and Conditions

Issued June 27, 1980
(Date)

By

H. Dean Greiner,
(Signature of Officer or Clerk) Mayor

Approved
(Date)

Effective
(Date)

PUBLIC SERVICE COMMISSION OF MONTANA

(Space for Stamp or Seal of Commission)

Secretary

*Space below these lines for use of Commission only.