

PART II - CODE  
Chapter 34 - WATER AND SEWERS  
ARTICLE III. - SEWER SERVICE AND RATES  
  
DIVISION 4. RATES AND CHARGES

**Sec. 34-226.3. Industrial waste surcharges.**

- (a) Persons or owners discharging industrial wastes which exhibit none of the characteristics of wastes prohibited by Ordinance Number 77784, or as may be amended, other than excessive BOD or TSS, but having a concentration in excess of normal domestic sewage, that is, concentrations of BOD in excess of 250 mg/l and TSS in excess of 250 mg/l, shall pretreat the industrial waste to meet the concentrations of normal domestic sewage; however, such excessive BOD and TSS waste may be accepted for treatment if all the following requirements are met:

~~(1) Neither BOD nor TSS waste concentrations shall exceed 10,000 mg/l concentration.~~

~~(2)~~1 The wastes will not cause damage to the collection system.

~~(3)~~2 The wastes will not impair the system's treatment process.

~~(4)~~3 The wastes will not cause contamination of POTW sludges thus limiting sludge disposal options or practices.

~~(5)~~4 The person(s) or owners responsible for the wastes pays an industrial surcharge, in addition to the regular water and sewer charges, in accordance with the following cost factors and formula:

V	=	Volume of water use reported in millions of gallons (MG) per month
BOD	=	Biochemical oxygen demand analyzed in accordance with the procedures approved under 40 CFR Part 136, or the latest Environmental Protection Agency (EPA) approved method, and reported in units of milligrams per liter (mg/l).
TSS	=	Total suspended solids analyzed in accordance with the procedures approved under 40 CFR Part 136, or the latest Environmental Protection Agency (EPA) approved method, and reported in units of milligrams per liter (mg/l).

Cost factor BOD = \$1.62

Cost factor TSS = \$1.50

IWS = Industrial waste surcharge computed in dollars as follows: IWS Volume of discharge (in MG per Month)  $[\$1.62 \times (\text{BOD mg/l} - 250 \text{ mg/l}) + \$1.50 \times (\text{TSS mg/l} - 250 \text{ mg/l})]$ .

~~= V [\\$1.62 \times (\text{BOD mg/l} - 250 \text{ mg/l}) + \\$1.50 \times (\text{TSS mg/l} - 250 \text{ mg/l})]~~ (b) *Surcharge review.* ~~(1)~~

(1) The San Antonio Water System as the Control Authority (CA) shall review the basis for determining surcharges at least once every two (2) years, or more frequently as needed.

~~Quality control shall review the basis for determining surcharges at least once every two (2) years, or more frequently as needed.~~

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- (2) The discharger may employ an independent registered professional engineer, at the discharger's cost, to perform additional sampling and analysis provided this activity is coordinated with the CA quality control. Upon consideration of all available information, the CA system shall determine the final values and/or charges to be assessed.
- (c) *Sample point.*
- (1) Each sampling point shall be installed and maintained by the discharger so that any authorized representative of the CA system may readily and safely obtain samples of the flow at all times.
  - (2) Each sampling point shall be near the outlet of each sewer, drain, pipe, or channel which connects with the sanitary sewer or wastewater facility.
  - (3) Each sampling point shall be designed and constructed to prevent infiltration by ground and surface water and maintained so that any authorized representative of the CA the system may readily and safely obtain samples of the flow at all times.
  - (4) Before beginning construction of a sampling point, a person shall submit plans to the CA quality control for review and approval to insure compliance with these provisions. Plans must include the sewage metering device if one is to be installed.
- (d) *Measurement of waste volumes.*
- (1) The volume of wastes may be determined by the same methods used to calculate the general sewer service rate.
  - (2) On premises where all or part of the water is obtained from a source other than the public water supply and no sewage metering device is installed, the owner shall provide and maintain a metering device of a type approved by the CA the San Antonio Water System to measure sources of private water.
- (e) *Sampling of wastes.*
- (1) The CA Quality control shall take samples of waste discharges from establishments as often as determined necessary to adequately monitor and control the discharges. If an owner desires additional samples, the owner shall pay the cost of the additional service.
  - (2) Samples collected by the CA quality control may be either flow-proportional or time proportional composite samples as appropriate to achieve the most representative samples, or via the best available sampling method given the constraints and limitations present at the discharge point source.
- (f) *Sampling and analysis fees.* A person discharging concentrations of BOD and/or TSS in excess of normal domestic sewage concentrations shall compensate the CA the system for the cost of sample collection and analysis when an industrial surcharge is established.
- (g) *Industrial surcharges for class groups.*
- (1) The CA Quality control shall assess an industrial surcharge rate for each class group based on waste strength determinations established by averaging grab or composite samples or both, taken from a representative number of establishments in each group, and shall apply this rate to the water consumption or metered wastewater of the establishment. If the establishment is within a larger facility for which water usage is determined from a master meter, ~~customer service~~ the San Antonio Water System Customer Service Department (CSD) shall determine an estimated volume for the establishment on which the surcharge rate is applied. ~~Customer service~~ CSD shall then add the appropriate industrial surcharge to billings for regular water and sewer service for each establishment classified into a class group.

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- (2) If an establishment contains operations from more than one of the class groups, ~~and Customer service~~ CSD determines that the surcharge rate for a particular class group would not adequately compensate the system for its cost of treatment, ~~Customer service~~ CSD shall add an appropriate industrial waste surcharge to adequately compensate the system for its cost of treatment.
- (3) ~~The CA Quality control~~ may, from time to time, revise surcharge class groups based on analysis of current samples.

(Ord. No. 80330, § 1, 6-16-94; Ord. No. 97395, 3-27-03)