

## Ordinance No. 447

### Amending Chapter 8 Sewer Use Ordinance/User Charge System

The West Salem Village Board of Trustees do hereby ordain as follows:

**Section 1:** Section I, Article XIII Operator of the Wastewater Treatment Facility, Section 1301 is hereby deleted in its entirety and re-created as follows:

SEC. 1301 - DUTIES. The operator of the wastewater treatment facility shall have the following duties:

- 1) Be responsible for the function of all phases of the wastewater treatment facility for efficient and economical purposes.
- 2) Operate within adopted annual budget.
- 3) Make all necessary chemical analyses and fill out and complete all monthly reports to the State of Wisconsin.
- 4) Order necessary materials and repair parts used in the wastewater treatment facility.
- 5) Keep informed on the latest methods and practices being used in the wastewater treatment facility and put the most economical methods thereof into practical use.
- 6) Assist whenever possible in the assistant's jobs when such assistants are absent or unable to work.

**Section 2:** Section I, Article XVII Amount of User Charges, Section 1703(2) and (3) are hereby amended as follows:

SEC. 1703 - VARIABLE CHARGE.

- 2) Normal Domestic Sewage  
Volume charge (metered user) - \$2.04/1,000 gallons

3) Wastewater of Greater than Normal Strength  
Charges to users discharging wastewater of greater than normal strength of wastewater which is 225 mg/l BOD<sub>5</sub>, 225 mg/l TSS and 5 mg/l P. The following rates will be used in calculating the surcharge.

<u>Parameter</u>	<u>Cost</u>
BOD <sub>5</sub>	\$0.32/lb
SS	\$0.32/lb
P	\$2.25/lb

Charges to users discharging wastewater of greater than normal strength shall be computed in accordance with the formula presented below:

$$C = F + \$2.04 \times V + (\$0.32 \times .00834 \times V \times B) + (\$0.32 \times .00834 \times V \times S) + (\$2.25 \times .00834 \times V \times P)$$

Where:

- C = Charge to sewer user for operation, maintenance and replacement costs for treatment works
- F = Base quarterly fixed charge
- V = Wastewater volume in 1,000 gallons
- B = Concentration of BOD from a user above the normal strength of 225 mg/l
- S = Concentration of suspended solids from a user above the normal strength of 225 mg/l
- P = Concentration of phosphorus from a user above the normal strength of 5 mg/l
- \$2.04 = Charge for that portion of the waste equal to normal strength wastewater. Includes cost for treating 225 mg/l BOD<sub>5</sub>, 225 mg/l TSS and 5 mg/l P
- .00834 = Conversion Factor (mg/l to lbs)
- .7480 = Conversion Factor (1,000 gallons to 100 cubic feet)

**Section 3:** Section I, Article XVII Amount of User Charges, Section 1704 is hereby deleted in its entirety and re-created as follows:

SEC. 1704 - LOW STRENGTH WASTE DISPOSAL CHARGES. Charges to licensed dischargers shall be computed and accessed a \$15.00 per load fee plus charges on the following basis:

Assumed strength

BOD <sub>5</sub>	up to 500 mg/l
SS	up to 1,300 mg/l
Volume Charge	\$5.50/1,000 gallons

**Section 4:** Section I, Article XVII Amount of User Charges, Section 1705 is hereby deleted in its entirety and re-created as follows:

SEC. 1705 - MEDIUM STRENGTH WASTE AND SEPTIC TANK WASTE DISPOSAL CHARGES. Charges to licensed dischargers shall be computed and accessed a \$15.00 per load fee plus charges on the following basis:

Assumed strength	
BOD <sub>5</sub>	501 mg/l to 1,600 mg/l
SS	1,301 to 5,000 mg/l
Volume Charge	\$18.29/1,000 gallons

**Section 5:** Section I, Article XVII Amount of User Charges, Section 1706 is hereby deleted in its entirety and re-created as follows:

SEC. 1706 - HIGH STRENGTH WASTE DISPOSAL CHARGES. Charges to licensed dischargers shall be computed and accessed a \$15.00 per load fee plus charges on the following basis:

Assumed strength	
BOD <sub>5</sub>	1,601 mg/l & higher
SS	5,001 mg/l & higher
Volume Charge	\$31.08/1,000 gallons

**Section 6:** Section II, Article IV. Variable Charge, paragraph 6, is hereby deleted in its entirety and re-created as follows:

#### IV. Variable Charge (Unit Price per Volume)

##### A. Operation and Maintenance Charge.

Unit treatment costs are also shown in Schedule 8 and are based on the projected flows and waste loads for the first year of operation. The anticipated unit costs are:

Volume	\$0.63/1000 gallons
BOD <sub>5</sub>	\$0.32/lb
SS	\$0.32/lb
Phosphorus	\$2.25/lb

Discharges of normal domestic strength wastewater, defined as not exceeding 225 mg/L concentration of BOD<sub>5</sub>, 225 mg/L concentration of SS, and 5 mg/L concentration of phosphorus as determined from monitoring records, will pay on a unit basis of \$2.04 per 1000 gallons. All wastewater customers will pay on this unit volume basis using metered or estimated flow.

Customers discharging wastewaters of greater than normal strength must pay a surcharge on the additional loadings. The charge for each customer would be determined from the formula presented below:

$$C = F + \$2.04 \times V + .00834 \times V \times [(\$0.32 \times B) + (\$0.32 \times S) + (\$2.25 \times P)]$$

Where:

- C = Charge to collection system user for operation and maintenance and replacement costs for treatment works.
  - F = Base Quarterly Fixed Charge
  - V = Wastewater volume per 1000 gallons.
  - B = Concentration of BOD<sub>5</sub> from a user above the normal domestic strength of 225 mg/L.
  - S = Concentration of suspended solids from a user above the normal domestic strength of 225 mg/L.
  - P = Concentration of phosphorus from a user above the normal domestic strength of 5 mg/L.
- .00834 = Conversion Factor (mg/L to lbs)

Unmetered users must pay a flat rate charge based on average water usage. The flat rate operation, maintenance and replacement charge for unmetered users is \$30.00 per quarter as determined in Schedule 8. The total charge for unmetered users equals the volume charge plus the fixed charge for an unmetered user.

**Section 7:** Section II, Article IV. Variable Charge, Section B, is hereby deleted and re-created as follows:

#### IV. Variable Charge (Unit Price per Volume)

##### B. Holding Tank and Septic Tank Waste

1. Low Strength Dischargers.

Charges to licensed dischargers of holding tank wastes shall be charged a \$15 per load fee plus charges computed on the following basis:

Assumed Strength

BOD<sub>5</sub> up to 500 mg/L  
SS up to 1,300 mg/L  
Volume Charge = \$5.505/1,000 gallons

2. Medium Strength Dischargers

Charges to licensed dischargers of septic tank wastes shall be charged a \$15 per load fee plus charges computed on the following basis:

Assumed Strength

BOD<sub>5</sub> 501 to 1,600 mg/L  
SS 1,301 to 5,000 mg/L  
Volume Charge = \$18.29/1,000 gallons

3. High Strength Dischargers

Charges to licensed dischargers of septic tank wastes shall be charged a \$15 per load fee plus charges computed on the following basis:

Assumed Strength

BOD<sub>5</sub> 1,601 mg/L & higher  
SS 5,001 mg/L & higher  
Volume Charge = \$31.08/1,000 gallons

**Section 8:** This Ordinance shall become effective and in full force and effect from and after its passage and publication as required by law.

**DATED** this 15<sup>th</sup> day of January, 2013.

(VILLAGE SEAL)

---

Dennis Manthei, Village President

---

Teresa L. Schnitzler  
Village Administrator

ADOPTED: January 15, 2013

PUBLISHED: January 24, 2013