

-EXAMPLE SEWER SERVICE CALCULATIONS-

Example 1: A residential user discharges 12,000 gallons per quarter (domestic strength)

| | |
|--------------------------------------|--------------|
| A-Minimum Charge ----- | \$20.00 |
| B-Debt Service ----- | -0- |
| C-Treatment Charge (12 x 6.24) ----- | <u>74.88</u> |
| QUARTERLY SEWER SERVICE CHARGE ----- | \$94.88 |

Example 2: An institutional user discharging 15,000 gallons per quarter (domestic strength)

| | |
|--------------------------------------|--------------|
| A-Minimum Charge ----- | \$20.00 |
| B-Debt Service ----- | -0- |
| C-Treatment Charge (15 x 6.24) ----- | <u>93.60</u> |
| QUARTERLY SEWER SERVICE CHARGE ----- | \$113.60 |

Example 3: A commercial user discharging 20,000 gallons per quarter (domestic strength)

| | |
|--------------------------------------|---------------|
| A-Minimum Charge ----- | \$20.00 |
| B-Debt Service ----- | -0- |
| C-Treatment Charge (20 x 6.24) ----- | <u>124.80</u> |
| QUARTERLY SEWER SERVICE CHARGE ----- | \$144.80 |

Example 4: A commercial user discharges 41,250 gallons of high strength wastewater per quarter (BOD @ 2,000 mg/L)

| | |
|--|---------------|
| A-Minimum Charge ----- | \$20.00 |
| B-Debt Service ----- | -0- |
| C-Treatment Charge (41.25 x 6.24) ----- | 257.40 |
| D-Surcharge: | |
| $\frac{41,250 \times 8.34}{1,000,000} \times (2000 - 275) \times 0.68 =$ ----- | <u>403.54</u> |
| QUARTERLY SEWER SERVICE CHARGE ----- | \$680.94 |

Example 5: Licensed hauler discharges 1,000 gallons of septage (holding tank wastewater) into WWTF system

A- Service Charge Billed at the Current Hourly Rate

| | |
|--|-------------|
| For Village Employees. (Minimum Charge of \$20.00) | \$20.00 |
| B-Debt Service (0.00 ÷ 12) | -0- |
| C-Flow | 4.36 |
| *D-BOD (600 mg/L x 0.001 x 8.34 x 0.68) | 3.40 |
| *E-SS (1,800 mg/L x 0.001 x 8.34 x 0.14) | <u>2.10</u> |
| Total per 1,000 gallons | \$29.86 |

*Based on average strength per EPA

Example 6: Licensed hauler discharges 1,000 gallons of septic tank wastewater into WWTF system.

A-Service Charge Billed at the Current Hourly Rate

| | |
|--|--------------|
| For Village Employees. (Minimum Charge of \$20.00) | - \$20.00 |
| B-Debt Service (0.00 ÷ 12) | -0- |
| C-Flow | 4.36 |
| *D-BOD (5,000 mg/L x 0.001 x 8.34 x 0.68) | 28.36 |
| *E-SS (15,000 mg/L x 0.001 x 8.34 x 0.14) | <u>17.51</u> |
| Total per 1,000 gallons | \$70.23 |

*Based on average strength per EPA