



MASTER FEE SCHEDULE
Chapter 12 – Sewer Fees
Appendices & Reference
 City of Chula Vista Public Works Department
 276 Fourth Avenue, Chula Vista, CA 91910

FEE BULLETIN

12-300

September 2014

EQUIVALENT FIXTURE UNITS (EFUs)

Equivalent Fixture Units include combined hot and cold water demand.

| | |
|---|---------|
| Bar sink (commercial)..... | 2 EFU |
| Bathtub..... | 2 EFU |
| Dental unit or cuspidor..... | 1 EFU |
| Drinking fountain, per head..... | 0.5 EFU |
| Laundry tub or clothes washer..... | 3 EFU |
| Lavatory..... | 1 EFU |
| Lavatory (dental)..... | 1 EFU |
| Sink (mop basin)..... | 3 EFU |
| Sink (washup, each set of faucets)..... | 2 EFU |
| Sink or dishwasher..... | 2 EFU |
| Urinal (flush tank)..... | 2 EFU |
| Urinal (stall)..... | 2 EFU |
| Urinal (wall)..... | 2 EFU |
| Toilet (tank)..... | 4 EFU |
| Toilet (valve)..... | 4 EFU |

1. EDU calculation using EFUs

$$\text{EFU (above)} \times 12.1 \text{ GPD} / 230 \text{ GPD} = 1 \text{ EDU}$$

**SEWER SERVICE
 POLLUTANT CONCENTRATIONS**

| USER CLASSIFICATION | BOD (PPM) | SS (PPM) |
|-----------------------------------|-----------|----------|
| Residential | 200 | 200 |
| Low Strength Commercial | | |
| Basic commercial | 150 | 150 |
| Car wash | 20 | 150 |
| Department & retail stores | 150 | 150 |
| Hotels w/o dining facilities | 310 | 120 |
| Hospitals & convalescent | 250 | 100 |
| Laundromat | 150 | 110 |
| Professional office | 130 | 80 |
| School & college | 130 | 100 |
| Soft water service | 3 | 55 |
| Medium Strength Commercial | | |
| Bars w/o dining facilities | 200 | 200 |
| Commercial laundry | 450 | 240 |
| Repair shop & service station | 180 | 280 |
| Shopping Center | 400 | 432 |
| High Strength Commercial | | |
| Auto steam cleaning | 1,150 | 1,250 |
| Bakery, wholesale | 1,000 | 600 |
| Hotel with dining facilities | 500 | 600 |
| Industrial laundry | 670 | 680 |
| Mortuaries | 800 | 800 |
| Restaurants | 1,000 | 600 |
| Supermarkets | 800 | 800 |
| Other | | |
| Septage | 5,400 | 12,000 |

WASTEWATER DISCHARGE INDUSTRIAL CATEGORIES & POLLUTANTS

Industries within these categories have been identified as potential discharges of either prohibited wastes or toxic pollutants. Toxic pollutants identified by the Environmental Protection Agency (EPA) are identified in section 2 below.

1. Industrial Categories

Adhesives & Sealants Manufacturing
 Aluminum Forming
 Asbestos Manufacturing
 Auto Repair
 Battery Manufacturing
 Bottling Plants
 Canneries
 Car/Truck Washes
 Cement Manufacturing
 Coal Mining
 Coil Coating
 Copper Forming
 Electrical & Electrical Products Manufacturing
 Electroplating
 Explosives Manufacturing
 Feed Lots
 Fertilizer Manufacturing
 Food Processing Plants
 Glass Manufacturing
 Gum & Wood Chemicals Manufacturing
 Hospitals
 Ink Formulation
 Inorganic Chemicals Manufacturing
 Iron and Steel Manufacturing
 Laboratories
 Laundries
 Leather Tanning & Finishing
 Metal Finishing
 Metal Molding & Casting
 Nonferrous Metals Forming
 Ore Mining & Dressing
 Organic Chemicals Manufacturing
 Packing Houses
 Paint Formulation
 Petroleum Refining
 Pesticides Manufacturing
 Pharmaceuticals Manufacturing
 Photo-processing
 Plastics Molding & Forming
 Porcelain Enameling
 Printing & Publishing
 Rendering
 Rubber Processing
 Soaps & Detergents Manufacturing
 Steam Electric Power Generation
 Tars & Asphalt Manufacturing
 Textiles Mills
 Timer Products Processing

2. EPA Identified Toxic Pollutants (65)

Acenaphthene
 Acrolein
 Acrylonitrile
 Aldrin/Dieldrin
 Antimony & compounds
 Arsenic & compounds
 Asbestos
 Benzene
 Zenidine
 Beryllium & compounds
 Cadmium & compounds
 Carbon tetrachloride
 Chloralkyl ethers
 Chlordane
 Chlorinated benzenes
 Chlorinated ethanes
 Chlorinated naphthalene
 Chloroform
 2-Chlorophenol
 Chromium & compounds
 Copper & compounds
 Cyanides
 DDT & metabolites
 Dichlorobenzenes
 Dichlorobenzidine
 Dichloroethylenes
 2, 4-dimethylphenol
 Dinitrololune
 Diphenylhydrazine
 Endosulfan & metabolites
 Endrin & metabolites
 Ethylbenzene
 Fluorathene
 Haloethers
 Halomethane
 Heptachor & metabolites
 Hexachlorobutadiene
 Hexachlorocyclohexane
 Isophorone
 Lead & compounds
 Mercury & compounds
 Naphthalene
 Nickel & compounds
 Nitrobenzene
 Nitrophenols
 Nitrosamines
 Pentachlorophenol
 Phenol
 Phthalate esters
 Polychlorinated biphenyls (PCBs)
 Polyneuclear aromatic hydrocarbons
 Selenium & compounds
 Silver & compounds
 2, 3, 7, & 8-tetrachlorodibenzop-dioxin (TCDD)
 Tetrachloroethylene
 Thallium & compounds
 Toluene
 Toxaphene
 Trichloroethylene
 Vinyl chloride
 Zinc & compounds