

**WEST TRAVIS COUNTY PUBLIC UTILITY AGENCY  
Industrial Pretreatment Program**



**APPROVED BY BOARD OF DIRECTORS MARCH 19, 2015**

**West Travis County Public Utility Agency Regional Water and Wastewater Systems Schedule for Rates, Fees, Charges and Terms and Conditions of Water and Wastewater Service –**

The obligation of the WTCPUA to receive wastewater into the Wastewater System depends upon compliance by the Customers to maintain a quality of wastewater established in the WTCPUA's Tariff. In order for the WTCPUA to properly treat and dispose of the wastewater, to protect the public health and sanitation, and to permit cooperation with other agencies which have requirements for the protection of the physical, chemical and bacteriological quality of public water and water courses, and to protect the properties of the Wastewater System, a Significant Industrial User (SIU) shall comply with the requirements set forth herein.

**Significant Industrial User (SIU)** – This term applies to all industries and commercial properties/facilities discharging sewage into the WTCPUA collection and wastewater treatment system owned and operated, which may deleteriously affect wastewater facilities, processes, equipment or receiving waters; create a hazard to life or health; or create a public nuisance.

**Requirement for Pretreatment** - Each SIU shall pre-treat to an acceptable condition prior to discharge to the collection and wastewater treatment system. The WTCPUA may require the SIU or prospective SIU to perform engineering studies to demonstrate that the proposed pretreatment method will be effective in eliminating the deleterious effects of the discharge. The entire cost of pretreatment, including sampling and testing performed by the WTCPUA to insure compliance with pretreatment requirements, shall be borne by the Customer.

Any SIU responsible for discharges requiring a pretreatment shall, at that person's expense and as required by the WTCPUA, provide equipment and facilities of a type and capacity as deemed necessary by the WTCPUA.

- All grease traps must be sized consistent with the requirements of the TCEQ and have a sample well, located immediately downstream of the grease trap, that is at least six (6) inches in diameter.
- The pretreatment equipment shall be located as close to the point of generation of waste as possible, in a manner that provides ready and easy accessibility for cleaning and inspection.
- The pretreatment facility shall be maintained in effective operating condition.

**Prohibited Discharges into the Sewage** – Storm water; Gasoline; cleaning solvents; flammable materials; non emulsified oils and greases; mineral oils, ashes; cinders; sand; gravel; tar; asphalt; ceramic wastes; plastics; other viscous substances; feathers; hair; rags; metal; metal filings; glass; wood shavings; sawdust; bulky solid materials such as, but not limited to, disposable diapers, clothing, and non-biodegradable personal hygiene products; un-shredded garbage; toxic, corrosive, explosive or malodorous gases; acetylene generation sludge; cyanide or cyanogen compounds capable of liberating hydrocyanic gas on acidification in excess of 2 mg/l by weight as CN; radioactive materials which will permit a transient concentration higher than 100 micro-curies per liter; emulsified oil and grease, exclusive of soaps, exceeding on analysis an average of 100 mg/l of ether-soluble matter; acids or

alkalis having a pH value lower than 6.0 or higher than 10.0; pesticides; Hazardous Waste, as defined by 40 CFR Part 261 and Chapter 361, Texas Health and Safety Code (the Texas Solid Waste Disposal Act), as amended; and wastewater containing specific pollutant concentrations in excess of any of the numerical limitations named hereunder are prohibited from discharge to the System:

<u>Pollutant Maximum Allowable</u>	<u>Concentration (ug/l)</u>
Arsenic	100
Barium	1,000
Cadmium	100
Chromium	1,000
Copper	1,500
Lead	1,000
Manganese	1,500
Mercury	5
Nickel	1,000
Selenium	50
Silver	100
Zinc	2,000
Total Toxic Organics	1,000

**Test** – This term represents the analytical analysis of sewage samples for Biochemical Oxygen Demand (BOD), Total Suspended Solids (TSS), dissolved sulfides and acidity measured in pH, as collected from the most direct sampling port or location provided to the WTCPUA by the SIU.

**Quality of Wastewater Requirements** – Limits for the wastewater constituents subject to scheduled testing for levels by the WTCPUA are established by the rules and indicated are as follows:

- BOD – Standard Methods grab sample shall not exceed a concentration level of 400 mg/l.
- TSS – Standard Methods grab sample shall not exceed a concentration level of 400 mg/l.
- pH – Acidity level of wastewater sample shall not be lower than 6.0 or higher than 10.0.
- Dissolved Sulfides – Wastewater sample concentration level shall not exceed 1.0 mg/l.

**Meets Requirements** – Test of sample indicates that each of the four (4) constituents which are being tested falls within the range of values set forth in *Quality of Wastewater Limits* above.

**Exceeds Requirements** - Test of sample indicates that each of the four (4) constituents which are being tested falls outside of the range of values set forth in *Quality of Wastewater Limits* above.

**Industrial Surcharge** – A charge, in addition to all other payments required under the Schedule, to any SIU discharging wastewater exceeding adopted quality of “Not to Exceed” wastewater requirements.

Computations of surcharge shall be based on the following formula:

$$S = V \times 8.34 (A (BOD - 200) + B (TSS - 200))$$

- S: Surcharge in dollars that will appear on a customer's monthly bill
- V: Wastewater actually billed in millions of gallons during the billing period
- 8.34: Pounds per gallon of water
- Factor A: Unit charge in dollars per pound of BOD

BOD:	BOD strength in milligrams per liter (mg/l) by weight
200	Normal BOD strength in milligrams per liter (mg/l) by weight
Factor B:	Unit charge in dollars per pound for TSS
TSS:	Total Suspended Solids (TSS) concentration in milligrams per liter (mg/l) by weight
200:	Normal TSS concentration in milligrams per liter (mg/l) by weight

In addition to the surcharge as defined herein, the SIU having water quality tests exceeding stated limits of any of the four (4) parameters will be responsible for the costs incurred by the WTCPUA for analytical testing services provided by outside vendors and these charges will be added to the surcharge in one collective invoice/bill.

Please note that BOD and TSS concentrations are the only constituents that are factors in the computation of the industrial surcharge. However, an industrial surcharge may result even when BOD and/or TSS, individually, meets requirements. Since pH and dissolved sulfides are controlled by the rules, the exceedance in either will constitute the computation of an industrial surcharge even though this computation may result in a value of \$0.00.

**Hold SIU** – Any SIU which has constituent concentration results that do not exceed Quality of Wastewater Requirements will be exempted for a period twelve (12) months following the date of the SIU’s last test(s) from random selection of one of the twelve (12) new SIUs each month scheduled for Test.

**Re-Test** – Any SIU which has test results that exceed Quality of Wastewater Requirements will be Re-Test after the expiration of three (3) months. At this point in time, the Test results will replace the results of the previous Test for computation of the Industrial Surcharge if the latest Test exceeds the Quality of Wastewater Requirements. The SIU will be required to pay a surcharge as set forth in the Tariff for each month the SIU wastewater discharge does not meet Tariff requirements.

**3.0 Repeat Factor** – Any SIU who Exceeds Tariff Requirements on the first Re-Test and any and all subsequent Re-Test(s) will have the Industrial Surcharge, as defined herein, tripled in amount as an incentive to remedy, repair, upgrade or replace any and all deficiencies in the SIU’s pretreatment facilities for the wastewater discharge produced by the SIU.

**Disconnect Service** - Any SIU having a delinquent invoice and/or bill due and payable to the WTCPUA at the time of any required Re-Test will not have the Re-Test performed, however, SIU will be sent a letter notifying the SIU that water and wastewater service from the WTCPUA will be disconnected after the expiration of 10 days from the date of the letter notification if surcharge payment is not remitted.