

**Thorn Creek Basin Sanitary District
General Pretreatment Program Ordinance
Amended 03/16/2022, No. 529**

PART 300.110

SPECIFIC LIMITATIONS ON DISCHARGE

Section 300.110 SPECIFIC LIMITATIONS ON DISCHARGE

- A. Daily Average Limits: Unless otherwise noted in Section 300.150, discharges from each separate discharge of a user, as measured under the provisions of this ordinance, shall not contain in excess of the following concentrations based upon a composite sample collected over a 24-hour period or a shorter period if representative of the user's daily discharge. Pollutant concentrations, that is, the total of dissolved and suspended matter shall be measured.

| <u>CHEMICAL</u> | <u>MILLIGRAMS PER LITER</u> |
|-----------------------|-----------------------------|
| Arsenic | 0.09 |
| Barium | 62 |
| Boron | 4.4 |
| Cadmium | 0.06 |
| Chloride | 427 |
| Chromium (total) | 9.8 |
| Chromium (hexavalent) | 4.9 |
| Copper | 2.0 |
| Fluoride | 8.9 |
| Iron | 320 |
| Lead | 0.70 |
| Manganese | 19 |
| Mercury | 0.015 |
| Molybdenum | 0.28 |
| Nickel | 0.23 |
| Selenium | 0.17 |
| Silver | 0.18 |
| Zinc | 1.9 |

- B. Instantaneous Limits: No grab sample shall exceed two times the daily average limits or the following:

| <u>CHEMICAL</u> | <u>MILLIGRAMS PER LITER</u> |
|----------------------|-----------------------------|
| Cyanide | 0.12 |
| Total Oil and Grease | 100 |
| Phenols | 9.8 |
| pH | 5.5 – 9.0 (units) |

A sample may be allowed outside of the local limit if it remains in the range of 5.0 units to 10.0 units and the discharge is brought back into compliance within 1 hour. This provision for a short-term violation shall not be more than two times a quarter or more than four times per year.

Temperature 65°C if the influent wastewater temperature is greater than 40°C at TCB's treatment plant

- C. No provision of this section shall be construed to provide less stringent discharge standards than are presently or may hereafter be imposed and required by USEPA or IEPA.
- D. Unless otherwise noted in Section 300.110.E or Section 300.150, the admission into a sewer of any material, waters, or wastes having:
 - 1. A five (5) day BOD greater than 600 mg/L, or
 - 2. More than 750 mg/L of suspended solids, or
 - 3. More than 1050 mg/L of COD or
 - 4. More than 60 mg/L of ammonia nitrogen or 90 mg/L of Total Kjeldahl Nitrogen, or
 - 5. An average daily flow greater than five percent (5%) of the average daily flow of the District, or
 - 6. More than 2.5 mg/L of Total Toxic Organics in a grab or composite sample shall be allowed only by permit. The above limits are based on composite samples except for Total Toxic Organics. This 2.5 mg/L discharge limit is applicable to either a grab or a composite sample. Grab samples shall not exceed two times the composite sample limits for BOD, suspended solids, COD, or Total Kjeldahl Nitrogen.
- E. For Industries that discharge less than 20,000 gallons per day, the following limits will apply to parameters listed below:

| | |
|-----------------|------------|
| BOD | 1,000 mg/L |
| COD | 1,750 mg/L |
| SS | 1,250 mg/L |
| TKN | 150 mg/L |
| NH ₃ | 100 mg/L |

Local limits will apply to all other parameters.

The above Low Flow Limits will only apply to Industrial Users whom have applied and have been granted the limits by the District through the special conditions statement in their Industrial Wastewater Discharge Permit.

- F. Before issuing permits, the District shall consider: the ability of the POTW to handle the additional load; the reserve capacity of the POTW; potential waste loads from other dischargers; and the potential for the permitted discharge to interfere with required treatment performance.

Users seeking variances from standards found in this ordinance, may petition the District for variation from such standards in accordance with the procedures set forth by the District. The User may request mass limits in lieu of concentration base limits. Before issuing a permit, the District shall consider: the ability of the POTW to handle the additional load; the reserve capacity of the POTW; potential waste loads from other dischargers; and the potential for the permitted discharge to interfere with required treatment performance.

A user with mass limits must be able to accurately report daily and instantaneous flows or Ordinance limits or categorical limits will be applied, whichever is appropriate.

The user must also demonstrate that it does not have daily flow rates, production rates, or pollutant levels that fluctuate so significantly that establishing equivalent mass limits would not be appropriate.

- G. The user may request a waiver for sampling for pollutants not present or expected to be present for the following parameters:

Cyanide, mercury, phenol, organics listed under EPA Method 608, 624 and 625.

The user must demonstrate that a pollutant is not present by providing at least one result from its process area(s) before any treatment. The request must be made by the highest ranking official at this facility. A signed Certification Statement by the “Company Representative” must also be included with the request. If the facility changes its process and the pollutant is determined to be present, the User must notify the District before discharging and must receive an amended permit.

The User must submit a new request with each new permit application.