

INDUSTRIAL PRETREATMENT PROGRAM

YOUR PARTNER IN WATER RESOURCES MANAGEMENT

Clean Water Services (CWS) is your partner in water resources management through innovative water treatment, resource recovery, stormwater services, river flow restoration, stream enhancement and habitat protection. We serve more than 600,000 residents and partner with manufacturers in Washington County to clean 2.7 billion gallons of water every year. Everything we do aims to protect public health while enhancing the natural environment of the Tualatin River Watershed. Thanks to business partners who share our commitment to investing in a cleaner future, we are able to clean water to some of the highest standards in the nation.



We partner with manufacturers in Washington County to clean 2.7 billion gallons of water each year.

INDUSTRIAL PRETREATMENT PROGRAM

CWS provides guidance and technical assistance to keep industrial users in compliance with federal regulations. Our regional water resource recovery facilities are located throughout urban Washington County and allow flexibility when locating a new industrial site. Our Environmental Services department is here to help. Contact us at escasemanagers@cleanwaterservices.org or 503.681.5175.



WHO NEEDS A PERMIT?

There are all kinds of industries in Washington County, including high tech, chemical manufacturing, brewing and other fermented beverages, food processing, laboratories, dentists and auto shops. If you discharge anything other than sanitary or domestic wastewater, you will need to contact CWS about a pretreatment permit.

Our permit will establish your reporting requirements and limits for discharging pollutants found in your particular industrial waste.

WHAT TYPES OF INDUSTRIAL PERMIT FEES ARE THERE?

There are two types of industrial permits: one for Significant Industrial Users (SIU), including those with federally established categorical discharge limits (CIU) such as metal finishers, and Non-Significant Industrial Users (NSU).

Currently, the annual permit fees are:

SIU: \$901 + \$300*

CIU: \$901 + \$300*

NSU: \$300*

*Reporting permit fee: \$300

INDUSTRIAL PRETREATMENT PROGRAM



INDUSTRIAL DISCHARGE BASICS

All industrial flows are segregated into a single industrial line, which then pass through a single on-site, exterior sample vault that must be installed and maintained. Industrial users also must:

- Sample on a regular basis. Frequency and pollutants will be determined after submission of application
- At a minimum, meet discharge limits associated with permit limits
- Submit a monthly report indicating volume, permitted discharge limits (such as metals), and surcharge releases (TSS, COD) by the 10th of the following month
- Install a continuous pH monitoring system
- Install a flow meter to record discharge flows
- Implement an approved program to manage fats, oil and grease discharges as applicable

WHAT IS A SIGNIFICANT INDUSTRIAL USER?

- All industrial users that are subject to EPA categorical pretreatment standards, or
- Any industrial user that discharges an average of 25,000 gallons per day or more of process wastewater, excluding sanitary, non-contact cooling and boiler blow-down wastewater, or
- Any industrial user that contributes a process wastestream that makes up five percent or more of the average dry weather hydraulic or organic capacity of a CWS treatment plant, or
- Any industrial user that has a reasonable potential to adversely affect CWS' sanitary sewer process or to violate any pretreatment standard or requirement.

LOCAL DISCHARGE LIMITS

Parameter	Local Discharge Limit	
pH	6.0 -11.0 (S.U.)	
Arsenic	0.34	mg/L
Cadmium	0.23	mg/L
Chromium	6.17	mg/L
Copper	2.71*	mg/L
Cyanide	1.17	mg/L
Lead	0.7	mg/L
Mercury	0.006	mg/L
Molybdenum	0.56	mg/L
Nickel	2.26	mg/L
Selenium	0.35	mg/L
Silver	0.06	mg/L
Zinc	1.87	mg/L
Fats, oil and grease	BMP	

All limits above are for the Durham, Forest Grove, Hillsboro, and Rock Creek Water Resource Recovery Facilities.

*The Local Limit for copper at Forest Grove is 1.15 mg/L.

CWS may, at its discretion, restrict or prohibit the discharge of other items of concern not previously mentioned in this table.

If Federal EPA Categorical Limitations apply to an industrial user, the most stringent limit (EPA Categorical or Local Limit) will apply.



MONTHLY SEWER SERVICE CHARGE

Additional charges are computed for actual sampled chemical oxygen demand (COD) and total suspended solids (TSS) greater than what CWS has determined to be discharged from a typical residential source. These surcharges are computed on sample results of actual wastewater discharged.



Industrial sanitary charges for additional COD and TSS loading greater than a residential source are as follows: COD > 800 mg/L = \$0.23 per pound COD computed for the monthly load; TSS > 400 mg/L = \$0.32 per pound TSS computed similar to COD.



SEWER CONNECTION CHARGE

Industrial sanitary sewer flows differ from domestic sanitary sewer flows and require pretreatment before entering the system. Industrial (non-domestic flows) include but are not limited to:

- Industrial process water
- Reverse osmosis reject water
- Contact and non-contact cooling water
- Equipment washwater
- Ion exchange column regeneration water

Your purchased industrial sewer connection capacity is based on anticipated industrial flow volumes. Connection fees are computed based on Equivalent Dwelling Units (EDU), which equal 625 gallons per day of industrial flow. Fees are currently \$7,332 per EDU.

Example:

An industrial user anticipates discharging 1,500,000 gallons of industrial wastewater for a month (or 50,000 gallons per day based on a 30-day month). The connection charge would be:

$$(50,000 \text{ gallons} \div 625 \text{ gal per day}) \\ \times \$7,332/\text{EDU} = \$586,560$$

INDUSTRIAL PRETREATMENT PROGRAM



Nondomestic Waste Discharge Permit Enforcement Response Plan (ERP)

Administrative Penalty = \$100 x (M+I+F+H) + EB, where

M: Magnitude. Reflects the extent of noncompliance with standards, including numeric and time factors. Assigned a value of 1 to 15.

I: Impact. Reflects any impact on the environment, human health, or CWS or City property or operations. Assigned a value of 0 to 10.

F: Fault. Reflects whether the violation resulted from an accident, negligent, or intentional act or omission. Assigned a value of 0, 5, or 15, respectively.

H: History. Reflects the compliance history of the industrial user, including prior violations and efforts taken to correct them. Assigned a value from 0 to 10.

EB: Economic Benefit. The value of any economic benefit the industrial user gained from the violation by avoiding or delaying costs of compliance.

CWS is authorized to assess monetary administrative penalties for violation of CWS Rules, up to \$5,000 per day per violation. The economic benefit portion of a penalty is not subject to the \$5,000 per day limit. Penalties may be assessed for each day of each violation found to have been committed, without limitation of the total amount assessed against the Respondent. CWS will determine the amount of any monetary administrative penalty based on the magnitude of the violation, the extent of any environmental damage or other injury caused by the violation, whether the violation resulted from an accident or negligent or intentional acts or omissions, the compliance history of the Respondent including any efforts made by the Respondent to correct prior or current violations, any economic benefit gained by the Respondent in committing the violation, and other relevant factors. CWS may, by Resolution of Order, establish monetary administrative penalty amounts for specific violations, and the process for determining penalties in particular circumstances.

Example: Industry submits report due on January 10 on January 17. This is the first late report. Industry did not self-submit reports, and CWS sent reminders to send report. **Result:** Issue a Notice of Violation with administrative penalty.

- Base penalty \$100
- Score: Magnitude: 1, Impact: 3, Fault: 0, History: 0
 - Magnitude ranking: degree of deviation from standards (1 to 15): 1
 - Impact ranking: degree of impact on environment or CWS systems: (0-10): 3
 - Late submittal did not impact the CWS administrative processing or reporting.
 - Fault ranking: accidental, negligent or intentional (0, 5, 15): 0
 - History ranking: compliance history of violator (0-10): 0
- Economic benefit: \$0
- Subtotal = [\$100 x (1+3+0+0)] + \$0 = [\$400] + \$0 = \$400
- **Total administrative penalty: \$400**

RESOURCES

- Information on Federal PretreatmentProgram requirements can be found on EPA's website: epa.gov/npdas/national-pretreatment-program.
- DEQ approves pretreatmentprograms at the local level andoversees state-wide pretreatmentactivities. Learn more about theirprogram and services at bit.ly/2pxASCG.
- Clean Water Services implements thepretreatment programlocally. Find out more aboutour pretreatment program, includingregulations, permitsand our awards program at cleanwaterservices.org/for-business-industry/pretreatment/



CleanWater  Services

ENVIRONMENTAL SERVICES
2550 SW Hillsboro Highway
Hillsboro, Oregon 97123
503.681.5100
sc@cleanwaterservices.org