



Brewery & Fermented Beverage BMPs

Business Name: _____

Address: _____

Contact Name: _____

Phone Number: _____

Email: _____

Date in effect: _____

Requirements:

User must complete the Supplementary Questionnaire provided by the SFCSD.

Temperature Management:

In order to comply with Section 6.2.1 of the South Fort Collins Sanitation District (SFCSD) Rules and Regulations and to avoid damaging the wastewater collections system, all wastewater will be below 120 degrees Fahrenheit prior to being discharged down drains.

- Any hot wastewater must sit or be blended with other ambient/cool process wastewater to get the temperature of the wastewater to below 120 degrees Fahrenheit prior to being discharged down drains.
- All liquid wastewater will be checked for temperature and pH prior to discharging to drain and the temperature will be recorded.
- If the temperature is below 120 degrees Fahrenheit and the pH is between 5.5 and 12:
 - Record temperature and pH, date and time of discharge and discharge to drain.
- If the temperature is above 120 degrees Fahrenheit:
 - Allow to sit or mix with ambient/cool process wastewater to lower temperature.
 - Once temperature is below 120 degrees Fahrenheit and if pH is between 5.5 and 12, record temperature and pH, date and time of discharge and discharge to drain.



South Fort Collins Sanitation District

2560 E County Rd 32, Fort Collins, CO 80528

P: 970-226-2484

industrialpretreatment@sfcisd.net

pH Management:

In order to comply with Section 6.2.1 of the South Fort Collins Sanitation District (SFCSD) Rules and Regulations and to avoid damaging the wastewater collections system, all wastewater will be between a pH no lower than 5.5 or higher than 12 standard units prior to being discharged down drains.

- Any process wastewater, acidic or caustic cleaning wastewater will be pH tested and alkalized or acidified to reach a pH of no less than 5.5 and no higher than 12 standard units.
- All liquid wastewater will be checked for temperature and pH prior to discharging to drain and the pH will be recorded.
- If the pH is between 5.5 and 12 and the temperature is below 120 degrees Fahrenheit:
 - Record temperature and pH, date and time of discharge and discharge to drain.
- If the pH is outside of the acceptable range:
 - Adjust pH with acid or base until between 5.5 and 12 standard units. Record temperature and pH, date and time of discharge and discharge to drain.
 - pH meter(s) are calibrated, logged, and used according to the product specifications.

Solids Management:

In order to comply with Section 6.2.1 of the South Fort Collins Sanitation District (SFCSD) Rules and Regulations, minimize surcharge-able wastewater, and to avoid obstructing the flow in the POTW, all solids are to be side streamed and **WILL NOT** be disposed of down drains. Any company or facility that discharges solids or prohibited waste(s) which cause a sewage backup is liable for any damages.

Spent Grain:

- Place in trashcan / disposal container.
- Install screens, filters or baskets on all floor drains and trenches to capture solids.
 - Use the correct gauge screen to maximize solids removal and install screens that are easy to access and service.
- Ensure all spent grain has been transferred into a disposal container. Sweep up any grain that spilled onto the floor. Spray out dust pans and broom into disposal vessel.
- Train employees on solids management practices.



Yeast, Hops, Trub, organic matter from fermentation:

- Transfer slurry to a collection container via pump or gravity.
- Rinse residual slurry and transfer into a collection container for disposal.
- Ensure all slurry has been transferred to collection containers. If any slurry spilled onto the ground sweep/mop it up and dispose of properly. Spray out mop/broom into the collection container.
- Train employees on solids management practices.

Chemical Storage and Handling :

- All chemicals are stored in secondary containment and all chemical measuring and transferring is to be done over containment tray to prevent release to the sanitary sewer.
- All chemical use and storage areas are regularly inspected for proper storage of chemicals, integrity of secondary containment, good housekeeping, and correct use of dispensing equipment.
- Employees are to be trained in best practices and the proper handling, use, and disposal of chemicals appropriate to their role in production operations, ensuring that no chemicals are discharged to drain outside of regulatory limits stated in Section 6.2.1 of the South Fort Collins Sanitation District (SFCSD) Rules and Regulations.

Discharge limits:

All breweries that send their wastewater to the SFCSD must make sure their wastewater meets SFCSD's discharge limits and prohibitions.

Off Spec Product / Bad Batch / Product Loss:

Off spec / bad batch / unused product(s) will not be discharged to the sewer without approval from the SFCSD Pretreatment Department. Discharging excess amounts of high concentrated waste to the sanitary sewer system can disrupt the WWTP. If no other option is available to discard off spec / bad batch / unused products, you will need to apply for a Special Discharge Request and meet SFCSD's discharge requirements. Upon receipt of your request, the SFCSD Pretreatment staff will review and approve/deny your request within 10 business days.



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Record Keeping:

Keep records documenting your establishment's compliance with the SFCSD's requirements.

- Keep records documenting the off-site disposal of solid waste(s) with a disposal / discharge log.
- Maintain records of all samples taken including, date, time, temp, pH, sample type and any other information obtained pursuant to any monitoring activities.

Responsible Party Signature: _____ Date: _____