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Wastewater generated from food, beverage, and agricultural production is a major source of environmental pollution. The impact that this effluent has on public wastewater treatment plants is significant and therefore requires per-treatment prior to discharge into public sewer systems. Due to large quantities of; nutrients, organic carbon, inorganics, suspended and dissolved solids, nitrogen, high biochemical and chemical oxygen demands the treatment process for this type of effluent can be difficult and costly to treat. However these excessive nutrients or oxygen demand wastewater characteristics must be treated prior to discharge so as not to damage receiving waters.

In decades past one of the least expensive costs of the food and beverage manufacturing process was water. Now however this is not the case, in particular with the discharge fees. When surcharges are applied to the discharged water due to high BOD, COD, TSS, O&G, levels, fees can reach in excess of $5 per m^3 of effluent when no treatment is performed.

The rising trend in bulk purchasing made available through the growth in mega-stores, has increased demands being placed on the food industry. Challenges to increase production and yet maintain or lower operating costs have caused manufacturing facilities to seek cost savings measures in all aspects of their business to control their operating costs.

This is especially true of high volume users of water that produce high concentration levels of effluent and discharge into public sewer systems.

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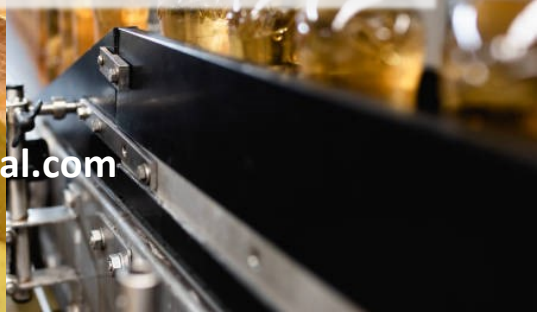
Wet Tech Environmental provides treatment solutions to industries with high concentrations of effluent. Through their development of a complete line of water treatment technologies Wet Tech Environmental can improve the water discharge quality and reduce or potentially eliminate surcharges applied to a plants effluent. Effluent levels can be reduced to as low as 5 ppm enabling water reuse for the plant manufacturing processes, enabling additional savings on water charges as well.

Different challenges are faced with wastewater treatment when dealing with the food, beverage or agricultural industry. Regardless the industry: dairy products, meat and poultry products, fruits and vegetables for canning and preserving, sugar and related confectionaries, grain products, fats and oils, beverages, brewing, all present a variety of treatment challenges. Biochemical oxygen demand (BOD) and chemical oxygen demand (COD) values of many producers' wastewater are in the thousands of milligrams per liter, and some like cheese production, winery and olive milling can be in the tens of thousands for COD. The variety and uniqueness of effluent from each facility requires expertise to examine all facets of an operation in order to deliver effective and economical treatment.

Characteristics of the wastewater, the environment, seasonality of production, plant infrastructure, all represent some of the many complexities involved in wastewater treatment. Careful analysis and the level of expertise and technology available through the Wet Tech Environmental team enables the development of effective treatment solutions. Through the decades of experience in the wastewater industry Wet Tech Environmental can provide your company economical solutions and effective results.





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