Hydro MicroScreen™ Wastewater Solution

Project Details

A New England brewery, with an expensive anaerobic digestion system was looking to reduce Total Suspended Solids (TSS) in their wastewater. TSS was contributing to an unacceptable portion of their disposal fees. The brewery was looking for a better solution to maintain the capacity of their anaerobic digester and reduce their disposal fees. Chemical Oxygen Demand (COD) was also an issue for the brewery, but most of their COD was soluble, which could not be removed by physical separation.

The brewery contacted Hydro International to arrange a pilot demonstration on their wastewater to see if the Hydro MicroScreen™ could reduce their TSS loading rates. Grab samples were collected to measure TSS reductions and the reductions were significant! Lab analysis showed that the Hydro MicroScreen™ was removing on average 82% of TSS.

While COD was not the primary target of the system, the Hydro MicroScreen™ provided the added bonus of removing 36% of COD.

To watch a brief video of the Hydro MicroScreen™ operating at this brewery, click here.