



Better Chemistry. Better Business.

Product: Aquapure™ Bio 52L / Bio 20

Problem to be solved:

Odor from the wastewater treatment area was building up in the wastewater collection tank head space and in the pipes of the wastewater treatment system, causing complaints of odor from the employees at the company. The wastewater is comprised of cleaners and rinses with oils from the cleaning of the machined parts.

The odors mainly occurred on Mondays and when batch treatments were transferred from the collection tank to the treatment tanks. The tanks have air lines for mixing of the wastewater in the equalization tanks prior to pH adjustment that may encourage the stripping of the sulfide from bacterial growth into the air. The tank piping is high above the tanks and due to the overhead configuration has residual wastewater that stays in the pipes. This allows for bacteria to flourish and build up the odor that is flushed out when the system is turned on.

Application:

Hubbard-Hall was called in to identify the problem parameters and work to resolve the odors. Aquapure™ Bio 52L was used to flush out the pipes and change the conditions of the slime layer in the pipes. This was followed by the introduction of the Aquapure™ Bio 20 to enhance the sulfide eating microbe population.

Results:

The problem of odor occurring from wastewater treatment was solved using the new products offered in Hubbard-Halls' line of Aquapure Bio Products. The combination of products coupled with the initial cleaning out of the tanks and the access ports created an odor free environment. This line of microbe and enzymatic blends is being offered to address: Odor, BOD/ COD reduction, TSS and nitrogen removal.

No complaints have been recorded since the microbe addition and system enhancement recommendations. This is an example of the right chemical to solve a specific problem.