

WASTEWATER ISSUES SOLVED

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Your use of water in your processes, in many cases, is passed on to a local treatment plant. If you have a wash down area or are just flushing process areas, chances are you are disposing of rags, gloves, wipes and other miscellaneous trash down a drain.

This required washing ends up in pit or wet well where submersible pumps make the transfer to the treatment plant. If you are spending time cleaning and removing clogs from pumps or trash from the wet well there is a remedy to end this. The proven system to end the trash collection or clogged pumps is a direct inline pumping system.

Submersible pumps in wet wells have been the norm for over sixty years. This old "technology" presents many problems with today's operations especially if using disposable wipes. It may be time for your plant to modernize the wastewater pumping system to a modern direct inline pumping system with self-cleaning pumps. These modern pumps shred any of the typical refuse that clogs the old submersible pumps.

Some plant managers feel that they have to spend additional budget funds on grinders, bar screens and rakes, or trash baskets just to handle the trash issues. Additional energy costs, the maintenance required, and just plain trash hauling is certainly not productive. The direct inline pumping system is a better, less costly way to solve this problem.

A manufacturer of wastewater pumping systems recognized the costly issues with wipes and trash clogging pumps in 2001. It was designed, built, tested, and proved a new pumping technology that was patented in 2002. Direct inline pumping was born and since that time there have been thousands installed where clogging had been a costly, time-consuming problem. There are now end users that find better use of their time than cleaning trash from wastewater pumping systems.

This modern pumping system is innovative, sustainable, and offers pumps that clean themselves without human intervention. It uses Variable Frequency Drives (VFD's) that provide soft starts and stops, run the pumps at only the speed required, and is energy efficient. All wetted parts are made of 304 stainless steel ending

the maintenance needed by the old corroded iron and steel. As the medium pumped is in a sealed system, there are no odours or hydrogen sulfide gas emission problems. Wet well cleaning is ended forever as it is no longer a "wet well" and float switches are no longer required. Should an impeller need changing, it can be done in as little as 15 minutes with common hand tools.



This system is not just monitored but is fully capable of remote management using a desktop, a tablet, or even a smart phone from anywhere in the plant or even



from the home office across the country. An operator can "watch" the pumps run and even order and print reports if he/she wishes. Modern direct inline pumping of wastewater is certainly gaining interest where process water is managed. ●