

## CASE STUDY

# 10K Muffin Monster® takes over when macerators can't cut it

The Cibolo Creek Municipal Authority (CCMA) provides regional wastewater services for the area northeast of San Antonio, Texas and serves several communities, among them Schertz.



**“ Having installed the inline 10K Muffin Monster has been a blessing for the last six months. ”**

Plant Maintenance Superintendent

### The Sulzer difference

The 10K Muffin Monster grinds materials macerators cannot handle and uses less energy than macerators thus saving electrical costs.

### The challenge

For many years, the water reclamation plant in Schertz successfully used six Penn Valley Double Disc Pumps for their primary sludge and scum applications. At their last expansion project, they added macerators inline ahead of the pumps to enhance their process and grind rags and debris. Since the installation, however, the station has suffered severe problems with plugging of the pump station lines that led to frequent pump rebuilds. The plant had to interrupt the system 2 – 3 times a day to cut through rags, hair and debris. With two pumps on each system, the cleanup and pump rebuilding were time-consuming. The lack of durability and strength of the macerators forced the staff to do a complete pump rebuild every two years. This had been the norm at this facility for years.

### The solution

Three inline 10K Muffin Monster sewage grinders were installed. These grinders are compact and tough on solids in sludge applications. They fit into areas with limited space requirements while still providing the necessary power for downstream protection. The 10K Muffin Monster also saves on electrical costs by using half the energy needed for high-speed macerators.

### Customer benefit

The efficiency of the Muffin Monsters has proven so great the plant no longer keeps all six pumps running. The three Monsters are grinding more reliably with less energy. There is no need to rebuild or stop sludge pumping to manually cut away the debris. The ultimate goal of the installation was to make the plant more efficient, eliminate rebuilds and cut down on man hours. The inline 10K Muffin Monster has far exceeded all expectations.

### Contact

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### Applicable markets

Pump stations, sludge processing, primary treatment at headworks

### Applicable products

In-line 10K  
Muffin Monster

