



Monster Solutions

Macho Monsters Protect Sewage Pumps in The OC

When a Southern California wastewater district faced nightmarish pump ragging and clogging issues in one of their largest lift stations - operators knew exactly what to do. They recommended installing the industry leading Muffin Monster® sewage grinder - or in this case - its bigger brother the Macho Monster.

Operators from Moulton Niguel Water District were clearing out sewage pumps every other day at the Lower Salada Lift Station located near the coastline in Orange County. The dry-pit station is deep underground with a congested working area. During peak flow, the three 400-hp (300-kW) pumps need to move millions of gallons (40-175 l/s) of sewage to the treatment plant to prevent a back-up or overflow.

In 2008 the District installed three massive Macho Monster model 40002-1812 grinders to clear up the pump clogging. The powerful grinders bolt into the pipeline on the inlet side of each pump where they provide optimal protection. Three years later District Operators report the problem is solved. The pumps never clog - the grinders shred trash, rags, clothing and debris into small particles that flow harmlessly through pumps and pipelines. The debris is then removed by the treatment plant's bar screens.

Macho Monsters use two rows of sharp, hardened steel cutters to pull in and shred debris into tiny particles. The high-efficiency 10-hp (7.5-kW) motor provides plenty of low-speed, high-torque power to ensure the grinders shred everything before it can clog the pump.



A massive Macho Monster grinder fits in front of the pump.

PROBLEM: Rags, wipes, flushables and debris clogging wastewater pumping stations

SOLUTION: Macho Monsters

Moulton Niguel oversees 17 sewage lift stations and a total of 56 active water, wastewater and reuse facilities in their territory. In 2000 the District also installed three Muffin Monster in-line grinders in the Upper Salada Lift Station to ensure those pumps remain free flowing and clear.

Even More Monsters in The OC

Since JWC is headquartered in Orange County, many of the local wastewater treatment plants are full of Monsters hard at work grinding sewage, sludge and septage.

In addition to Moulton Niguel, another local wastewater authority installed a Macho Monster to protect one of their pump stations. The station is only 150 feet (45m) away from Aliso Creek, an environmentally sensitive watershed. The top priority is to reliably pump a million gallons per day of wastewater (44 l/s) full of rags and debris to the local wastewater treatment plant.

For several years operators had problems with the pumps ragging and clogging on a daily basis. In 2008 the decision was made to install a Macho Monster in-line grinder to protect one of the pumps and stop the clogging. According to the Pump Station Foreman, the Macho Monster cleared up all the ragging and clogging issues. The pump operates clog-free and at maximum efficiency.

With a powerful Macho Monster sewage grinder on the job, wastewater is safely pumped to the treatment plant for purification. Aliso Creek and the beautiful Orange County beaches just downstream are well protected.

