

CASE STUDY

New approach eliminates lift station pump clogs at 400-unit apartment complex

Villa Mountain Vista North Las Vegas is a 400-unit apartment complex that had experienced severe problems with pump clogging. Several solutions were evaluated but didn't solve the problem. Installing a 30K Muffin Monster™, however, turned out to be a total success.



“The cost savings for my customer speak for themselves: In a 90-day period, approximately USD 20'000 was saved.”

Colin Pirrie, Plumbing Enterprises representative and onsite treatment manager

The challenge

Villa Mountain Vista North is a 400-unit apartment complex in Las Vegas. It has an on-site lift station equipped with stainless steel-bladed pumps to transport influent. The pump station experienced frequent pump malfunctions due to lots of unexpected items getting flushed. Wipes, clothing and toys would repeatedly clog or damage the system. Unclogging was labour-intensive, time-consuming and expensive. In addition, the task required proper training and certification.

The solution

Plumbing Enterprises representative Colin Pirrie, who manages the site, chose to install a 30K Muffin Monster – something that turned out to be the perfect solution. By using a right-angled gear reducer, the overall height of the grinder was brought down to be a perfect fit in the tightly designed pump station. Equipped with the Wipes Ready technology, the Muffin Monster can easily shred baby wipes and diapers along with tough solids into pieces that are small enough to stay in suspension and remain pumpable.

Customer benefit

In the months since the installation, there has been no need for service. The pump, which was clogging on a weekly basis, hasn't seen a failure. The success at Villa Mountain Vista has led Colin Pirrie to order a second system for another customer of his facing similar challenges.

The Sulzer difference

The 30K Muffin Monster is easy to install and fits in small spaces. Equipped with Wipes Ready™ technology it can shred disposable wipes, diapers and other tough solids flushed at residences to protect pump stations.

For any inquiries please contact

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