

Monster keeps wipes at bay in Billerica, MA

Billerica, Massachusetts, embodies an ideal American suburb. However, as the population has grown, so has the amount of debris flowing through the area's wastewater treatment system. The composition of the influent has also changed, with an increasing number of wipes.

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The Wipes Ready™ upgrades made a huge difference. We've already gone two months without ever pulling the pumps and they're running much more effectively.

Mike McCaughey, Collections Supervisor for Billerica

The Sulzer difference

All Channel Monster™ sewage grinders feature the unique Wipes Ready suite of technologies that effectively shreds disposable wipes and other tough solids, keeping pumps running, even during storm events.



The challenge

The increasing number of rags and wipes in the influent was causing undue stress, equipment damage and unscheduled maintenance at one of the largest pump stations in Billerica, Massachusetts. The problem aggravated during periods of heavy rain. During peak storm events, the crew had to shut down the system and clear the pumps as often as three times per day. The city looked for a solution that would eliminate these problems without requiring a major system redesign.

The solution

A CDD Channel Monster grinder installed in 2011 resolved the immediate issues and the city was pleased with its results in the pump stations. In 2014, as the wipes loading had increased further, the Channel Monster was upgraded with the Wipes Ready technology. The traditional coil bar drums were replaced with rotating screening drums. Additionally, the cutters were upgraded to the new 17-tooth serrated cutters, which shred the wipes in two directions rendering them harmless to pumps.

Customer benefit

Since the installation of the CDD Channel Monster with the Wipes Ready technology in 2014, the need for daily pump maintenance has been eliminated. Maintenance crews no longer have to take time away from planned projects in order to service the pumps and manually remove the clogs and ragballs from the equipment.

Applicable markets

Wastewater treatment

Applicable products

CDD Channel Monster

Contact

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