



PROBLEM: Sheets, wrappers and solids clogging city sewer system

SOLUTION: Muffin Monster®

CONSULTANT: Kings County Staff; The Durrant Group; Teter A+E; R. Pedersen & Sons, Inc.

Monster Solutions

Monster Curbs Chaos at Kings County Jail

Fresno, CA – It can grind rocks, plastics, bolts and wires. And now, the Muffin Monster®, manufactured by JWC Environmental in Costa Mesa, recently purchased for the new Kings County Jail will mush up anything that inmates flush down their toilets -- bedsheets and all, said Public Works Director Harry Verheul.

When the new 100,000 square foot jail was fully occupied in August 2007, some inmates caused havoc for city and county officials because they kept flushing items like bedsheets and potato chip bags down toilets in their personal cells, Verheul said.

Stingers – which work kind of like fish hooks – were initially installed to catch the debris, but didn't always do the job. So the large items flushed would back up the city's sewer system, he said.

"It was obviously an issue for them and us as well," Verheul said, referring to the city.

After about two months of planning with city officials, the purchase of a Muffin Monster was approved by Kings County supervisors.

The new jail, which has 361 beds, was a \$35 million project.

"It's obviously important that we have a system that works," said Larry Spikes, Kings County administrative officer.

The monster, which grinds "just about any other foreign material

that can cause damage to process and waste water equipment," according to its Web site, was installed in December.

So far, so good, Verheul said: "The city hasn't had any problems since installation."

About 3,000 Muffin Monsters are used at correctional facilities, including the Fresno jail, said Alec Mackie, of JWC Environmental, based in Costa Mesa.

"Prisons typically install grinders because they're so powerful," said Mackie, adding that the machines grind shoes, jumpsuits, keys and cell phones into the size of confetti.

"It turns rock into sand," he said.

About 20,000 monsters are used worldwide, he said.

The dual-shafted Muffin Monster grinds a wider variety of solids than single-shafted machines, while its low-speed operation results in higher torque and fewer interrupts.

Muffin Monster grinders effectively reduce particle size of wood, plastics, rocks, wire, sludge, and other foreign material that would otherwise foul, clog or damage waste stream and process equipment, typically reducing the handling costs associated with solids removal.

About JWC Environmental...

Advanced sewage treatment equipment is of vital and growing importance to the world. JWC Environmental is a



leading manufacturer of equipment for wastewater treatment, solids reduction, solids removal and processing.

The Monster family of products is legendary for quality and reliability – including the Muffin Monster® and Channel Monster® sewage grinders, Auger Monster® fine screen, Screenings Washer Monster® and Monster Separation System®, incorporating a finescreen or bandscreen with superior screenings conditioning. Our superior technology provides solutions for the most demanding applications including sludge grinders, shredders, screens, washer compactors and septage receiving stations.

Founded in 1973, JWC Environmental and its worldwide family of employees are committed to providing customers with leading edge products, services and value. When it comes to the most demanding wastewater treatment challenges – you can trust Monster quality.



“The city hasn’t had any problems since its installation.”

Written by Susie Pakoua Vang, **The Fresno Bee**
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Trust Monster Quality™

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