PROJECT:	Sydney Airport Lavatory waste processing system
PRODUCT:	Muffin Monsters model 30005
CONSULTANT:	Xylem Water Solutions Australia

Monster Solutions

Green Muffin Monsters Devour Airport Blue Water

As part of the Sydney International Airport's Redevelopment, JWCE distributor Xylem Water Solutions Australia, was contracted by the airport to install a clean, efficient way to reduce and dispose of "blue water" – wastewater pumped from airplane lavatories. Airplane lavatories are constantly subjected to a broad range of 'non-disposable' items that ultimately clog downstream sewer lines, pumps and processes.

The new Aircraft Waste Disposal Facility, houses two Muffin Monster channel grinders in a below-ground well, allowing lavatory carts to drive up and unload the blue water from the airplane. Wet and dry solids flow via an inlet pipe into the station's dual-shafted grinders, which use two shafts of sharp steel rotating cutters to chop up solids like plastic, textiles, foreign object debris (FOD) and paper. Ground up material is then flushed into the local sewer system and the tiny pieces pose no threat to downstream pumps.

With over 33 million passengers using Sydney Airport in 2008, much of the waste being disposed is pumped directly from the airplane lavatories. The installation of the Muffin Monster Model 30005s in 2008 was an important step in their waste management strategy.

The rugged design of the grinders eliminated most of the clogging downstream, saving maintenance costs and time. By minimizing waste solids, Sydney Airport has been suc-

cessful in reducing their overall costs and impact on the environment.

JWCE also offers another solution for airport waste management with the Monster Airport Receiving Station – a self-contained, below grade and automated station that allows for simple, odor-free, clean and efficient wastewater disposal.

Equipped with immersible motors, these Monsters are protected from high flow levels so they can devour the debris in the wastewater.

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