

# Wastewater Treatment: PEWE coordinates with Representative

Friendly support of Puerto Rican Representative yields quick start-up. Stuart Ward of *Process Engineered Water Equipment* explains coordination is key...

## Case Study

Our Puerto Rican Representative had an important client with a growing wastewater problem. This was their first major



Wastewater Plant

project with us and we wanted to be sure and get it perfect for both our Puerto Rican Representative as well as the client. Satisfaction with the whole process was paramount.

Matosantos Commercial Corporation is the largest pork processing plant in Puerto Rico. The facility produces deli meats for Subway as well as offer a line of smoked hams and other products. Production processing had increased significantly as the company flourished. It became increasingly apparent that a pretreatment plant was necessary to meet local city discharge requirements. Additionally, the company management was embracing the green revolution and wished to better conserve water through reuse. A site was chosen adjacent to the facility near the POTW effluent discharge point.



PolyAccu Dose LD-10D

## Sustainable Water Reuse

The first stage of the treatment process would be a PEWE **T<sup>2</sup>-MAX** dissolved air flotation (DAF) system following a large EQ tank utilized for flow balancing. PEWE and our local Puerto Rican Representative carefully sized the system to handle the current flow allowing for potential growth. The system arrived complete with a PEWE **PolyAccu Dose**



T<sup>2</sup>-MAX TM-25 DAF

chemical make-down unit and PEWE **Command Control** panel. As a bonus the operators found use easy with the multi-language English/Spanish bright color touch-screen interface.

Start-up and training was provided as part of the package. PEWE Technical Services personnel on-site finalized the installation with the local electrical and plumbing crew. Client programming changes for their needs were accomplished also.

## Final Results

When the new **T<sup>2</sup>-MAX** DAF pretreatment system was turned on it generated fine 20-30 micron bubbles. The efficient



PEWE Technical Services Installation Start-up Support

**Rogue Pump** regenerative turbine gas aeration system would float the oils and suspended solids for removal by the surface skimmer. The **PolyAccu Dose** flow proportional chemical system dosed the proper amount.

The Representative and Client are pleased with the new wastewater treatment system. The sustainability goals for water reuse are achieved by the recycling of water to the many cooling towers saving them millions of gallons of water annually.





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