

# GWE technology offers high-quality effluent

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GWE technology is being used to treat the post-production wastewater from a Panamanian meat processing plant.

**Wastewater technology from Global Water & Energy (GWE), engineered and designed to achieve 98% removal of organic matter, is being used to treat the post-production wastewater from a Panamanian meat processing plant.**



Carnes de Coclé, S.A., a subsidiary of Panama Beef Packers Corporation, is committed to meeting the highest international food handling regulations. It chose a made-to-measure configuration from GWE to handle its meat processing wastewater, allowing it to return high-quality effluent to the environment.

The custom-engineered GWE technologies configured for this application included the use of its dissolved air flotation system, SUPERFLOT-AIR, with a two tank Sequencing Batch Reactor (SBR), the SEQUOX-2, at the heart of the treatment.

Possible pathogens, oils, grease and detergents from the abattoir are removed from the waste stream by several pretreatment steps, including the SUPERFLOT-AIR. Then automatic parallel operation of the two SBRs allows different stages of the treatment to take place simultaneously. With feeding, aeration, and settlement happening in the same tank, space and costs are reduced without affecting treatment levels. After the biological treatment, effluent that is free of nutrients can be disinfected and safely discharged into a nearby river.