

# Wastewater Treatment: Solids Screening

Efficient solids removal recovered meets sustainable goals. Stuart Ward of *Process Engineered Water Equipment* explains screening is key...

## Case Study

Tree Top, Inc. acquired the Oxnard facility with its acquisition of Sabroso in 2008. The facility creates ingredients for the food manufacturing industry such as puree, whole and sliced fruit, heat treated, non-heat treated, or frozen. These ingredients are used in many items such as ice cream, yogurt, bakery, and drinks. The facility employs approximately 50 employees who operate three processing lines including a fresh strawberry line. The facility is run to organic standards and built as a mid-sized, modern and state-of-the-art processing facility.

## Solids Recovery

Tree Top management naturally considers the environment when planning. Chris Cary, Civil/Environmental engineer at Tree Top believes from an environmental view valuable resources can be fully utilized.



Field Installation

The re-modeled wwt facility was built to easily screen a high volume of water and wide variety of solids. To efficiently remove the collected solids they were dropped straight into a roll-off dumpster for later recycling. The PEWE screen was sized for the many requirements and environmental conditions.

A PEWE *SuperSkreen™ SSP-72* parabolic side-hill screen was ordered with optional automated spray mechanism and gas lift assisted enclosure cover. The screen



SuperSkreen SSP-72

equipment was delivered on time and with client technical support made available to the maintenance crew for installation. In a matter of time the screen was ready for the first water to flow. Soon all was in place and the screen process started collecting solids.



Spray Controls

## Final Results

Upon start-up the new parabolic side-hill screen system gave the desired capture results. The new stainless steel PEWE *SuperSkreen™* wedgewire screen was easy to operate. The solids going into the dumpster were maximized. And the screen flow was such that water variations had no noticeable impact on solids collection. Excess moisture in the solids was not a problem either.

Manual clean-up was infrequent as the automated internal spray bar quietly ran behind the scene periodically washing the screen. It proved very efficient and easy to keep clean by the staff.



Efficient Solids Capture

Tree Top stays closely focused to their ongoing recycling journey. Tree Top will continue it's multi-year natural Green environment effort always looking for other innovative opportunities. Tree Top crew and management are both pleased with the new wastewater screen system.



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