

Case Study: K&K Foods, Inc.

Solution: Treatment of Agricultural/Food Waste Water

Challenge

A food production facility in Taiwan that manufactures processed meats has a wastewater flow of 100,000 gallons/day with a COD of approximately 10,000 mg/L and a large oil and grease component.



The facility needed to implement wastewater treatment to meet discharge goals less than 250 mg/L for suspended solids and 600 mg/L for COD (>94% COD removal). The facility desired to implement treatment without triggering off-site sludge disposal problems.

Solution

Performed bench work and other feasibility analyses for implementing AFC treatment of target wastes. The plant implemented the BCS AFC treatment, using a cavitation air flotation (CAF) unit for solids separation.

Result

The system operated for over ten years. While operating the system achieved difficult effluent targets with no residual sludge production. Costs savings for sludge disposal were over \$400K/year.

