KlarAid* tannin and Novus* technology eliminates environmental problems

challenge

A food plant in Spain, producing pâté and prepared meals, was struggling with neighbor complaints and was not able to meet environmental discharge limits. The wastewater system consists of a dissolved air flotation unit (DAF) to remove oil and grease.

Due to the fluctuating quality and quantity of wastewater entering the DAF unit, the plant was not able to control the effluent quality. This resulted in neighbor complaints and effluent discharge problems. In addition, the use of surfactants during cleaning influenced the wastewater treatment in a negative way.

The previous wastewater treatment company used ferric and aluminum salts and was not able to manage the wastewater variations. This resulted into poor performance during high oil and grease loads.

solution

SUEZ made a survey of the wastewater system and implemented a treatment program using KlarAid Tannin-based, all-organic coagulant, and Novus flocculant technologies.

results

As a result of the new treatment program and training of the operators by SUEZ, the plant was able to control the effluent quality in all circumstances. This eliminated neighbor complaints and allowed the plant to meet its discharge limits. The elimination of corrosive and harmful chemicals resulted in safer working conditions for operators and a reduced corrosive environment for the wastewater equipment.

A smooth cooperation between the wastewater plant personnel and SUEZ engineers, the implementation of new wastewater treatment technologies and a thorough training of operators allowed the plant to meet environmental regulations and eliminates neighbor complaints. Additional benefits are safer working conditions for operators and less corrosive environment for wastewater plant equipment.