

Advanced BioTech

Developer of BioWorld Products

TOMATO AND FRUIT PROCESSOR WASTEWATER ODOR CASE STUDY

Project Situation

A California tomato and fruit processing facility had a discharge permit for 800,000 gallons per day to a 93 acre field. The processing load was expected to increase and a conditional permit was issued for 1,600,000 to 2,000,000 gallons per day. One of the strict conditions was to mitigate odors and receive no odor complaints.

Products/Technology Used

BioWorld was contacted by an engineering firm that had recently taken over the project. A small wastewater treatment system was upgraded and the Dissolved Air Flotation (DAF) Polymer Unit was functioning as designed but odors were a major problem.

BioWorld Odor Neutralizer BON CC-41 (Product #41064) was added to the DAF unit prior to discharge through the large Rainbird solid set irrigation system onto the 93 acres.

Results

The BioWorld Odor Neutralizer virtually eliminated all the odors from the wastewater when applied to the system. The facility ran from July to October. Several complaints were noted during a lapse in the addition of the BioWorld Odor Neutralizer during shift changes.

The BioWorld Odor Neutralizer exceeded all expectations of the engineering firm personnel and the management and staff of the food processing facility. The concerned people in the neighboring housing estates were also pleased with the odor mitigation technology that proved to be very successful.