

## ON-GOING SUPPORT

### CLIENT

Mariani Packing Company

### LOCATION

Vacaville, California

### APPLICATION

Dried Fruit Processing

### CAPACITY

160,000 GPD

### PROCESS SUPPORT

2010 - Present



Mariani Packing Company processes dried fruits including prunes, raisins, and apricots for consumer markets. The wastewater contains high levels of Biological Oxygen Demand (BOD) in excess of 10,000 mg/L, and Total Suspended Solids (TSS) averaging around 1,000 mg/L. The wastewater concentrations, production cycles, and sanitizations, are highly variable and make operations of the wastewater treatment plant challenging and prone to upsets. The system consists of Screening, Primary Clarification, High Rate Anaerobic Treatment, and Complex Mix Activated Sludge. While the system was proven to meet discharge permit levels of BOD/TSS of <40/40 at start-up in 2006, managing the wastewater operations and process control became too much of a challenge for Mariani. In 2010 Mariani called upon TPS to provide ongoing process support to manage, oversee, and provide operational guidance to help ensure discharge compliance.



TPS provides the following ongoing services:

- Establishment of a data collection program
- Daily data review
- 24 hour/7 day per week phone support
- On-site support as required
- Prepare Quarterly Summary Reports with data trends and plant performance
- Manage the inventory and sale of valuable granular anaerobic biosolids
- Quarterly review meetings to review report, discuss any O&M issues, anticipated production schedules, and provide on-going training
- Participate in any required meetings with the city POTW

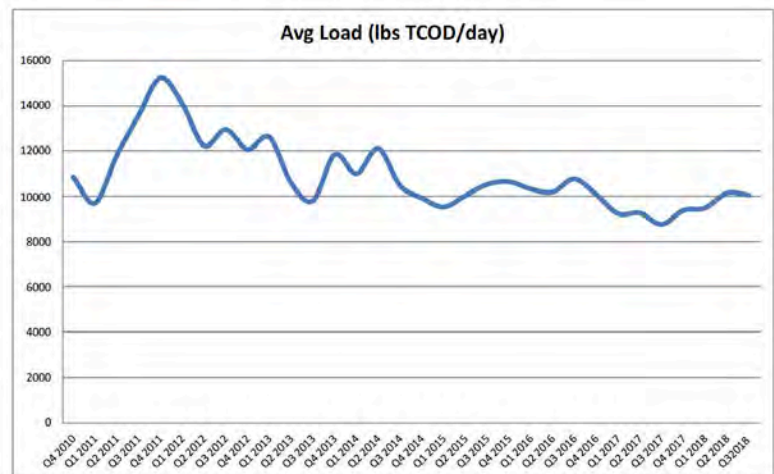


Figure 5: Avg Load lbs TCOD/day since 2010