

Location: California



AMI system boosts crop quality and yield for leading avocado supplier

Inadequate water quality can hinder optimal crop growth and reduce yields. AMI systems have a proven track record in the agriculture industry.

Challenge

A leading avocado grower, packer and seller delivers fresh and delicious avocados year-round. With multiple generations in business, they are a key player in the avocado industry and offer avocados in season throughout the year.

The company's state-of-the-art packing house adheres to the highest standards, ensuring that each avocado meets strict quality criteria before reaching the market.

The company sought a reliable Reverse Osmosis (RO) system to ensure the avocados are processed with water of the highest quality. This includes removing iron, chlorine, and other contaminants from feedwater sourced from wells.

The company needed the system in a short timeframe in response to growing production demand.



Solution

Applied Membranes Inc designed, built, and commissioned a **150 GPM (35 m3/h)** Reverse Osmosis (RO) system.

Applied Membranes custom-engineered the water treatment system based on the customer's available space, feedwater analysis, and key objectives.

AMI system is fully skid-mounted for easy installation and servicing. System was factory tested at Applied Membranes USA facility prior to shipment and installation.

Key Features:

- Carbon filters
- Greensand filters
- Antiscalant
- Chemical injection system
- Clean-in-place system
- Microprocessor controller

Results

AMI system continues to deliver a reliable supply of water for avocado irrigation, elevating crop yields and quality.

Quality: AMI system produces high-quality water, removing impurities that inhibit avocado growth and health.

Reliability: AMI system reliably and efficiently removes impurities and produces high-quality water for avocado processing.

Service and support: AMI continues to provide support as needed to ensure the system is operating optimally.

