Customer Success Story

Location: Texas

AMI system enhances dairy farm production quality and yields

Dairy farms may have poor water quality that can impact animal health, milk production, and overall farm productivity. AMI systems address this challenge.

Challenge

One of the largest dairy operations in Texas expanded its operations by adding an 80-stall rotary.

With an expansive facility and a dedication to animal welfare, the farm wanted a solution to provide high quality water for its herds.

Feedwater from a well contained elevated levels of Total Dissolved Solids (TDS), measuring 800 ppm.

This water jeopardized the health and well-being of the cows and posed a significant challenge to achieving maximum milk production.

The farm reached out to Applied Membranes for a solution.

Solution

Applied Membranes built and commissioned a **30 GPM (7 m3/h) BWRO** brackish water reverse osmosis system.

AMI system includes cleaning system and two media filters to remove contaminants and improve water quality.

Rigorous testing was conducted to verify the system's performance prior to shipment.

Comprehensive training sessions were provided to the farm's staff, empowering them with the knowledge and skills required to operate and maintain the system effectively.

Key Components:

- Booster pump
- Dual media filters
- Antiscalant
- Clean-in-place system
- Storage tank

Results

Timely delivery: Applied Membranes was able to build and deliver the system quickly due to its extensive product inventory.

Durability: AMI system was easy to install and designed to fit into farm's footprint constraints.

Compliance and quality: Rigorous system testing was completed to ensure compliance with customer specifications.

AMI BWRO system drove significant improvements in dairy production including herd health and increased milk yields at the farm.

2450 Business Park Dr, Vista, CA 92081 | www.appliedmembranes.com | sales@appliedmembranes.com | 760-727-3711