

Location: US



AMI selected to provide new RO system for municipality

Municipalities deal with aging infrastructure and water quality concerns. AMI has expertise in designing and implementing reliable, sustainable, and efficient systems.

Challenge

A municipality in the U.S. needed a cost-effective yet reliable water treatment solution to provide potable water to the town.

Feedwater is sourced from a well. The RO system needed to have 80% minimum recovery rate and 90% minimum of Total Dissolved Solids (TDS) rejection.

The municipality had stringent specifications and required rigorous testing of individual skids, control panels, and equipment.

Applied Membranes won the bid to provide the Reverse Osmosis (RO) water treatment solution. AMI was selected for its reputation and extensive experience working with municipalities.

Solution

Applied Membranes engineered, built, and commissioned a state-of-the-art system producing **70 GPM (16 m3/h)**, meeting specifications and QA standards.

AMI delivered the end-to-end solution, from design and build to factory testing, on-site installation, and support.

Each AMI RO skid underwent rigorous factory testing including hydrostatic pressure testing, leak testing, and control processor testing in AMI manufacturing facility.

AMI submitted documentation of tests, maintaining compliance and quality assurance.

Key Features:

- Booster pump
- Antiscalant
- Chemical injection system
- Clean-in-place system
- Programmable Logic Controller (PLC)

Results

Applied Membranes commissioned a high-performance RO system for the municipality, surpassing client expectations.

Upon completion of system installation, the client's contractor and engineer conducted meticulous inspection and approved AMI system installation.

Quality: AMI system provides a reliable supply of high-quality water to the town.

Reliability: Rigorous AMI factory testing and quality assurance procedures contributed to the reliability of the system, demonstrating consistent performance over time.

Services and support: AMI provided documentation to support operational readiness and compliance with the project specifications. AMI also provided comprehensive manual, spare parts, and training for client personnel.

AMI successfully executed the project from inception to post-installation evaluations.

