

Microfiltration Pilot System



In May 2013, Pure Aqua, Inc. successfully manufactured and supplied Microfiltration Pilot system to a membrane manufacturer for Title 22 certification. Title 22 is the State of California's stringent standard for treatment/disinfection of wastewater for non-potable reuse and discharge. The certification is considered the global standard for water reuse. MF/UF is the best available technology for wastewater reuse projects.

System Overview

Location:	California, USA
Objective:	MF membrane pilot Title 22 certification (non-potable reuse)
Water Source:	Secondary wastewater (treated sewage)
Feed TSS / COD:	< 50 ppm
Capacity:	43,320 GPD
Pretreatment:	150 micron screen
Dosing Systems:	CEB – chemically enhanced backwash (acid, caustic and chlorine)
Analog Instruments:	Turbidity monitors, particle counter, pressure, temperature, air flow (thermal dispersion), water flow (magnetic) and pH
Control System:	Siemens PLC (S7-1200) with 10" color touch screen
Remote Monitoring:	Mobile connection with PC control/interface (WinnCC)

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Designed and
Manufactured in
Southern California,
USA

Pure Aqua Inc. is an
ISO:9001 certified
company with over a
decade of experience
in advanced system
design and
manufacturing.

Using the latest
technology in 3D
Computer Aided
Design (CAD) software
allows for highly
detailed and functional
design. This reduces
material cost and
environmental impact,
while maintaining
quality and reliability.

Our modular systems
are engineered for
ease of integration and
delivery to many
locations worldwide.