WATER MEMBRANES SYSTEMS, LLC.

InstruLogic
CONTROLS. AUTOMATION. INSTRUMENTATION.

Full Featured Solutions for Small Systems

When a large Virginia Service Authority (SA) with numerous small community water systems, received a VDH Notice of GWUDI Violation and a Boil Water Notice went out to customers, they went looking for a scalable solution that would give them large system features on a small system budget.

The solution was a turnkey Membrane Ultra Filtration process with full SCADA automation and monitoring. The design-build team completed the PER, obtained Health Department approval, and put the system online in less than six months.

A pre-fab concrete building and off-site membrane skid assembly kept the winter on-site work to a minimum.
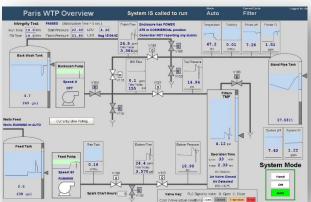

The SCADA System for this project packs the features and benefits of a much larger system, into a small system budget friendly package.

The system offers fully automated/unmanned operations, operator interfaces locally and at the SA Operations Building, remote system access from any internet connected device (smart phones included), customized/dynamic alarming, long term data historian and trending, customized report generation, and online redundancy.

Every feature typically found on multi-million GPD systems is built into this SCADA system.

The programming to accomplish this is done within a single software package eliminating cross-package conflicts and communication failures. All of the software and programming is 100% industry standard and non-proprietary making integration of other systems as easy as it gets.

Operators enjoy the convenience of monitoring their system from the office, home, or anywhere with a cell signal. Supervisors enjoy the one-button monthly health department reporting. The Department Heads enjoyed the cost savings of a start-to-finish project team that helped get them through all the project challenges, on time and on budget.