



Blue-White®

Simple Turbidity Meter Saves Water Treatment Plant Time and Expense

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APPLICATION:

The City of Dallas' Water Treatment Plant in Oregon uses surface water flowing from Mercer Reservoir to provide safe drinking water to the community. It delivers water to more than 16,000 people daily.

The Plant removes solids using conventional filtration to ensure its drinking water meets quality regulations. Analyzers were used to test the effluent from its conventional filters to ensure they were functioning correctly and to help meet state and federal regulations.

PROBLEM:

The analyzers were extremely difficult to clean, would routinely drift, and required frequent calibration, which is complicated, time-consuming, and expensive. The previous analyzers would lose conductivity without conductivity gel and often experienced sensor fouling.

Desiccant pouches were needed to keep cells from clouding over with moisture. The analyzers also had a lot of tubing and valves, which increased the chances of leaks.

SOLUTION:

The Plant replaced all the analyzers with five new Blue-White APNTU Online Turbidity Analyzers.

The APNTU is a turnkey solution for clean water applications. Since the effluent water is very clean, deionized water can easily be used instead of expensive calibration kits. The rear panel is chemical-resistant polyethylene with two sturdy handles for simple installation.

The turbidity sensor's flat electrode design makes it

easy to maintain and clean and facilitates simple sensor removal and replacement.

The single-sensor flow reservoir calms air bubbles in the sample and settles solids and purities, maintaining accuracy and resolution while extending maintenance and calibration cycles.

All Analyzers are factory-tested and ready to use right out of the box, and they are backed by a 13-month warranty.

RESULT:

APNTU Analyzers have proven simple to install and calibrate, eliminating the need to waste valuable time and expense.

