



Pall Corporation

Streamlining Operator Use and Regulatory Compliance with Automated Membrane Filtration System

The Challenge

In 2010, the City of Cisco, Texas decided to upgrade its existing water treatment plant, seeking to replace its conventional dual media filters with modern, sophisticated membrane technology. The City of Cisco's water treatment plant serves more than 6,500 residents which includes two wholesale customers that purchase bulk water from the city for surrounding rural communities. In order to determine which membrane system to implement, officials began qualifying solutions from a variety of vendors.

The Solution

Ultimately, Pall Corporation's Aria™ FIT membrane filtration system was selected after performing strongly during the pilot testing phase. The quality and reliability of Pall's system was evident throughout the pilot. The City of Cisco's water treatment plant implemented three skids, resulting in a total capacity of 2.5 million gallons per day (MGD). Upon delivery, a building was constructed around the skids to incorporate them into the treatment plant's permanent infrastructure. The city maintains its own distribution system with two elevated water storage tanks and its total connection count for the city and wholesale customers is approximately 2,500 connections.



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aria^{fit}
™

The Result

Pall's Aria FIT skids have proven to be very operator-friendly with its control systems being easy to understand and manipulate. Furthermore, the fully integrated membrane system's automated data logging makes it much easier for the plant to comply with

regulations. Due to automated reporting, filling out required documentation for the regulatory agency is now very simple and streamlined, as the system collects all of the necessary information in one, easy to access place.

“Implementing Pall’s Aria FIT skids were instrumental in allowing the City of Cisco’s water treatment plant to meet regulations, as it is now much easier to comply with turbidity removal, monitoring and testing in addition to various other regulations. Its automated reporting and auto-generated data logging make life easier for the operators. Testing and compliance have become less tedious tasks because of the Pall system.”

Jordan Hibbs, PE, Enprotec /Hibbs & Todd, Inc. (eHT)

The high performing membrane skids provide quality water while the system remains easy to operate. Overall, the benefits of the Aria FIT system to the City of Cisco’s water treatment plant included:

- Operator-friendly control systems
- Automated compliance testing and reporting
- High performing, quality membranes
- Safe, reliable source of drinking water



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