



# Following Flood, Emergency Deployment of Mobile Filtration System Restores Drinking Water Within Days



## THE CHALLENGE

On Thursday, June 2, 2016, the City of Cisco, Texas experienced heavy rains that completely flooded Lake Cisco and ultimately submerged the city's surface water treatment plant and all of its equipment. Immediately following the flood, officials began qualifying mobile treatment options as they knew that the city would soon be depleted of water. Roads adjacent to the plant were washed out, and the plant's team worked around the clock to provide water to the city's 6,500 residents, which include two wholesale customers that purchase bulk water from the city for surrounding rural communities.

Ultimately, the City of Cisco's water treatment plant completely ran out of water in the days immediately following the flood. The city needed to identify and implement a solution immediately to provide its residents and wholesale customers with safe, reliable water.

## THE SOLUTION

After qualifying a handful of providers, the City of Cisco chose Pall Corporation's Aria™ FAST containerized mobile membrane system due to Pall's deployment speed and ability to meet filtration regulations. Capable of producing water within hours of arrival on site, the Aria FAST units are perfectly suited for emergency situations in municipal environments. The flooded water treatment system houses three of Pall's Aria™ FIT skids, which resulted in a fast regulatory and approval process for the emergency mobile unit.

“As soon as the Pall team got the call, they were off to the races, with the Aria FAST unit arriving just three days after the flood. To get the system online as quickly as Pall did, just a few hours after their technician arrived, speaks volumes to the quality and pre-configuration of the Aria FAST unit and the expertise of Pall's technicians. The time Pall spent on engineering and design of the unit was evident based on how little time it took for us to produce quality water.”

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

## THE RESULTS

Within 72 hours of the flood, the Pall trailer and technician had arrived on-site and the Aria FAST unit was producing water for the City of Cisco just seven hours later. Following the initial deployment, Pall's Aria™ CARE customer service team continues to regularly monitor the system remotely to ensure operations are going smoothly and troubleshoot any issues that may arise. Additionally, the Aria CARE team provides 24/7 phone support and direct access to a technician should a site visit be required. The city's water treatment plant will utilize its Aria FAST trailer, which has a total capacity of 1 million gallons per day (MGD), until early in 2018, while they continue the process of building a new water treatment plant.

## THE BENEFITS

The speed of this deployment was critical, as within just seven hours of arriving on-site, the Pall trailer was producing safe, reliable water for the City of Cisco and its residents. Overall, the benefits of the Aria FAST system to the city's water treatment plant included:

- Rapid deployment and production of water
- Safe, reliable source of drinking water
- Superior customer service and technician support
- Operator-friendly, easy-to-use system



# aria<sup>fast</sup>

Aria FAST mobile water treatment solutions provide water on demand, when and where you need it most.

- Rapid deployment
- Easy installation
- Robust design
- Temporary or long-term solutions



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