

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



The challenge

On 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 its equipment. Immediately following the flood, officials began qualifying mobile treatment options because 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 the Aria FAST™ containerized mobile membrane system from Aria Filtra™ due to the company’s deployment speed and ability to meet filtration regulations. Capable of producing water within hours of arrival onsite, the Aria FAST units are perfectly suited for emergency situations



“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 preconfiguration 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, vice president, Enprotec / Hibbs & Todd, Inc. (eHT)

*Aria Filtra, formerly Pall Water, was a division of Pall Corporation when this quote was provided.

in municipal environments. The flooded water treatment system houses three of Aria FIT™ skids, which resulted in a fast regulatory and approval process for the emergency mobile unit.

The results

Within 72 hours of the flood, the Aria Filtra trailer and technician had arrived onsite, and the Aria FAST unit was producing water for the City of Cisco just seven hours later. Following the initial deployment, the Aria CARE™ customer service team continued to regularly monitor the system remotely to ensure operations were going smoothly and troubleshoot any issue. Additionally, the Aria CARE team provided 24/7 phone support and direct access to a technician in case a site visit was required. The city's water treatment plant utilized its Aria FAST trailer, which has a total capacity of 1 million gallons per day (mgd), until early in 2018, while they continued 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 onsite, the Aria Filtra 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 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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Aria Filtra, a division of Trojan Technologies, is the filtration partner of choice for municipal and industrial customers that need reliable access to consistent, high-quality water. With more than two billion gallons of installed capacity spanning six continents, Aria Filtra has the process expertise, proven technology, and intelligent systems that customers trust to reliably tackle their most complex water treatment challenges. Featuring industry-leading durability, reliability, and ease of operations, our broad portfolio of solutions ensures mission-critical functions continue to work as needed, day in, day out, for years to come. Learn more at [AriaFiltra.com](https://www.ariafiltra.com).

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