

City of Apache Junction, AZ

Turbidity reduction of potable water supply.

In January 2006, Siemens Water Technologies, formerly USFilter, commenced a two-month contract with the city of Apache Junction, Arizona to provide temporary water to its community when a shortage of potable water was inevitable.

The city was approaching a lack of potable water for the city's 19,000 residents for a two-month period. Several factors led to this potential crisis for the city. They included the failure of a major producing well, an arsenic contaminated well treatment system was behind schedule for maintenance and there was a scheduled maintenance shutdown for a treatment plant that supplies much of the city's supply.

The customer selected Siemens because previous experience demonstrated our ability to install a temporary water treatment system to meet capacity requirements, meet quality specifications and most importantly, complete a project within the time constraints of when the water was needed.

Siemens Water Technologies employed its mobile clarification and horizontal filtration technologies, along with required pipes, pumps and tanks to the site. This system treated 700 gpm of water from the Central Arizona Project canal. Water was first pumped to the mobile clarification unit for treatment and transferred into a storage tank where it was re-pressurized to flow through the horizontal filter trailer for filtration before being re-pressurized again for transfer into the city's distribution system.

Significant Accomplishments

Siemens Water Technologies was able to meet the two-week delivery and start-up time for the city of Apache Junction during the holiday season.

The customer was satisfied with the team effort applied to this project under the time constraints imposed by the situation.

Siemens Water Technologies used its mobile clarification technology followed by its horizontal filter trailer. This was the first use of the horizontal filter trailer for this application.

Facility	Municipal Drinking Water
Application	Mobile clarification and filtration
Scope of Services	Installation, start-up, service contract
Technology	Turbidity reduction
Start Date	January 2006
Duration of Project	two months

Siemens Water Technologies utilized both mobile clarification and filtration at this project in Apache Junction.





Siemens Water Technologies North America Service Network

North America Service Network

Our North America service network is backed by more than 80 offices staffed with certified technicians and applications experts who can solve your problems. In addition, Siemens Water Technologies provides response flexibility through either a lease or capital purchase option, and the company offers assured liability protection through environmentally safe waste destruction.

Services Available

- Activated carbon supply, removal and reactivation services
- Filter media supply and removal
- Ion exchange resin supply
- Membrane supply and cleaning programs
- Parts and expendables
- Service contracts
- Temporary/emergency water systems

Technologies Available

- Reverse Osmosis (RO) membrane filtration
- Conventional clarification and filtration
- Oil/Water separation
- Granular activated carbon adsorption
- Demineralization
- Inorganic metals removal
- Chemical addition

Siemens Water Technologies delivers cost-effective, reliable systems guaranteed for quality, safety, and compliance. Our trained service staff is available to make sure your systems is running at peak performance and to your specification. For your water treatment system, choose the partner that is committed to taking care of the world's water...and yours.

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