

# American Gypsum, Albuquerque, New Mexico

## Arsenic Contamination Exceeds Drinking Water Standards

In April 2006, American Gypsum signed a contract with Siemens Water Technologies, formerly USFilter, for the purchase of a media filtration system to remove arsenic contamination from the company's on-site well. The customer had recorded arsenic levels of 16 ppb in their groundwater supply. This was naturally occurring arsenic due to local geology. In January 2006, the EPA implemented a new Maximum Contaminant Level (MCL) standard which required arsenic levels to be a maximum of 10 ppb.

The Siemens solution is based on carbon adsorption technology utilizing our proprietary Granular Ferric Hydroxide (GFH®) media. GFH was used on this project due to its greater adsorption capacity which results in longer run lengths before backwashing is required.

Siemens Water Technologies provided 16" diameter automatic, arsenic treatment units. This customer did not have a direct discharge line to the POTW for the backwash water, therefore, the system provided by Siemens was designed to allow the backwash water to be recovered and reprocessed. This avoided the potential for overloading their septic system.

## Significant Accomplishments

Siemens was selected by this customer due to our ability to rapidly solve the immediate arsenic contamination problem using Granular Ferric Hydroxide (GFH®) media.

Siemens Water Technologies arsenic treatment unit provided an economical solution and ensured that backwash water from the treatment system did not impact the clients on site septic system. Further, the ease of installation afforded the customer the option to choose to have their own personnel complete the

on-site installation. Siemens local Albuquerque branch office provided equipment startup, training and on-going service to ensure that the system continues to operate as required.

Facility	Drinking water
Application	Arsenic removal
Technology	Carbon adsorption
Scope of Services	System design Equipment start-up Personnel training Maintenance service
Start Date	April 2006

*16" diameter automatic, arsenic units*





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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