

Savage Super Fund Site, Milford, NH

Iron reduction in groundwater.

In August 2005, Siemens Water Technologies commenced on an eight-month contract with GeoSyntec to assist with an iron fouling problem at a Super Fund site in the Northeast.

The client operates a groundwater treatment facility at a Super Fund site where groundwater is pumped to a VOC stripper for the removal of TCE (trichloroethylene) which is then re-injected into the aquifer. High iron levels in the groundwater caused fouling of pumps, pipes and well casings. This fouling threatened the reliability of the process in terms of flow.

A mobile water treatment solution proved to be the solution for this client. Siemens Water Technologies provided a mobile pretreatment trailer with six PreFlex®-54s units.

The client opted for a treatment system based on the automated backwash capability of the PreFlex-54. The filter backwash water is collected in a tank and decanted so clean water meeting the publicly-owned treatment works' limits on metals could be discharged to the municipal sewer system. The PreFlex-54 system was able to accommodate the client's proprietary media for dissolved iron removal.

Total iron levels of 3 ppm with dissolved iron of 2.3 ppm were reduced to less than 0.3 ppm and eliminated the fouling problems. Siemens Water Technologies mobile treatment solution was piloted while a capital decision was being considered.

Significant Accomplishments

Siemens was able to meet the delivery, installation and start-up time set by the client.

The PreFlex®-54 automated backwash capability was a key selling point because it allowed site personnel to continue with other activities.

The client was happy to find a partner that would incorporate their proprietary media into a system. It helped maintain costs and reliability of water back to the system.

Facility	Super Fund Site
Application	Groundwater Remediation
Technology	Mobile Pretreatment
Scope of Services	Installation, start-up
Start Date	August 2005





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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