

Harvard Ridge Condominiums, Boxborough, MA

One of the First-Known Perchlorate Cleanup in the State of Massachusetts.

In July 2005, Siemens Water Technologies, formerly USFilter, was contacted by representatives for a residential condominium complex. The complex had a community swimming pool of 130,000 gallons with a perchlorate reading of up to 1800 ug/l of perchlorate. The Complex did not have a method for disposing of the water, since they were on a septic system rather than city sewer. Residents of adjoining properties were also made aware of the presence of perchlorate in their wells.

Siemens solution for both the condominium complex and concerned citizens with adjoining properties was the same; to install temporary, service ion exchange tanks. Temporary service vessels afford the ability to remove perchlorate contamination without the need for expensive capital investment and also provide a safe method for handling used medias that have been contaminated as a result of being used in the treatment process. Siemens Water Technologies implemented the service vessels in combination with the community pool's existing filtration system to recirculate the pool water and remove the perchlorate. The adjoining properties also used the service ion exchange solution to not only remove the perchlorate, but also meet the very limited space requirements at the wellsites.

The service vessels contained perchlorate selective ion exchange resins. Once the resin is exhausted, it is removed from the site and thermally destroyed, thus eliminating the possibility of reoccurrence of contamination and eliminating the customer's liability.

Significant Accomplishments

The Siemens service-based solution provided a rapid response to the customer's needs. Water in the pool and in the adjoining well-sites was cleaned shortly following contact with Siemens representatives and did not require any additional water disposal/handling by the customers.

Adjoining wells provided very limited access and minimal space for equipment. The Siemens design enabled the system to be installed and with sufficient access for servicemen, despite the limited space.

Facility	Potable water treatment
Application	Perchlorate contamination
Technology	Service Ion Exchange
Scope of Services	Evaluation Equipment Service
Start Date	July 2005

Convenient removal of spent Ion Exchange service vessels





Siemens Water Technologies North America Service Network

North America Service Network

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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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