

# City of Steinhatchee, FL

## Coliform and Cryptosporidium Contamination in a Public Drinking Water Supply.

In September 2003, Siemens Water Technologies, formerly USFilter, commenced a one-year service contract with the City of Steinhatchee, Florida to treat contamination of a potable well site.

During construction of a retaining pond for a new housing development, the building contractor caused contamination of the aquifer that supplies drinking water to this resort town. Contamination included the presence of fecal coliform and cryptosporidium beyond compliance levels and a visible discoloration.

The customer originally pursued a treatment process utilizing ultraviolet (UV) sterilization to kill the organisms. One week following installation, Siemens Water Technologies was contacted to provide emergency mobile treatment equipment consisting of two combination mobile trailers carrying carbon filters followed by reverse osmosis units. The next day, a team of six Siemens personnel were on-site for installation and supervision of the mobile equipment.

Caustic and calcium chloride chemical feed systems were added (in addition to the existing chlorination system) in order to control pH levels of the RO permeate which was planned for potable consumption. Within 48 hours, produced and treated water was sent to the customer's storage tank. One week later, laboratory results confirmed that the boil water order the city had instituted could be lifted.

Siemens Water Technologies provided weekly visits to the site to backwash the carbon filters, acquire data on the RO system and provided standard preventative maintenance.

## Significant Accomplishments

This customer's original intention was to initiate a temporary contract for a period of only 12 weeks. As a result of the treatment results and support provided by the local Siemens service branch, the customer elected to contract Siemens Water Technologies for a one-year agreement to provide an immediate solution to their problems, and also to provide treatment until a newly planned permanent system could be constructed. The new water treatment system was commissioned in January 2005.

Facility	Municipal Drinking Water
Application	Coliform and Cryptosporidium Removal
Scope of Services	Delivery, installation, start-up, and service contract
Technology	Mobile Reverse Osmosis
Start Date	September 2003
Duration of Project	Twelve Months

*Siemens mobile trailers process the contaminated water and produce RO permeate that is chemically treated and stored for potable consumption.*





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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