

# City of Rialto, CA

## Perchlorate Contamination Treatment System for Public Drinking Water Supply

Siemens Water Technologies, formerly USFilter, received an award from the City of Rialto, California to provide a perchlorate removal ion exchange system. This is the second award the company has received for treatment of perchlorate contamination in the City's potable drinking water supply.

The well site is located adjacent to the Rialto City Airport and has been impacted by a perchlorate plume believed to be emanating from a former county-owned landfill. Testing of the well indicated perchlorate concentration levels exceeding the California Department of Health Services (CA DHS) notification level of 6 ppb. The pumping (and treatment) of this well will provide control of the perchlorate plume so that it does not affect other drinking water wells within the Inland Empire area. Effluent from the treatment system will be at non detect levels for perchlorate

The Siemens solution features throw-away, single-use ion exchange technology. These throw-away resins are highly selective for perchlorate, and complete destruction of the perchlorate ion can be accomplished through incineration of the spent resin.

### Significant Accomplishments

The use of perchlorate selective resins has been found to significantly reduce the operational costs associated with ion exchange.

The Siemens system features standard design, high flow 12' diameter vessels. These units offer the benefits of reduced system overall height while offering added flow capacity and minimized pressure drop through the ion exchange beds. The Low profile design was especially important to the City since the well sites are in close proximity to the airport.

Facility	Municipal Drinking Water
Application	Perchlorate Contamination
Scope of Services	System evaluation Operation Maintenance Service
Start Date	June 2005

*12' diameter Hi-Flow vessels in lead/lag configuration*





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.

Siemens  
Water Technologies  
2430 Rose Place  
Roseville, MN 55113  
800.525.0658 phone

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