



# Disinfectant Residual Control System

As asset maintenance specialists, USG Water Solutions is ideally positioned to help you maintain the quality of treated water in your distribution system. In addition to in-tank technologies that help reduce disinfection byproducts in storage tanks, we provide the Residual Control management system to maintain the quality of treated water throughout the distribution network even as pipeline conditions change over transmission distance and time.

## The challenge



### Water quality

Maintain minimum levels of residuals to comply with the Safe Drinking Water Act and state regulations.



### Scale and complexity

Storage tanks and distribution networks can be miles apart.



### Expense

Alternative monitoring and control methods are costly.

**The Residual Control management system helps you set, control and maintain residual levels in water storage tanks and key locations in your distribution system.**

Learn more on the back.

## Take the guesswork out of disinfectant residual control

The system performs four discrete functions at the storage tank level to proactively control disinfectant levels, preventing nitrification and coliform hits.

## The benefits

- ✓ Maintain water quality
- ✓ Simplify control
- ✓ Reduce costs

## The process



### Mixing

Powerful tank-mixing technology ensures homogeneous tank chemistry, so that tanks do not become stratified and disinfectant levels remain consistent throughout the tank.

### Monitoring

The Residual Control management system analyzes changing tank conditions. Then an automated chemical feed system and an advanced control algorithm maintain residual levels.

### Controlling

A sophisticated control algorithm responds to changing levels in real time, employing real-time data to automatically calculate the dosing of chemical reagents needed.

### Dosing

Reliable chemical dosing skids achieve precise levels of chemical addition only as needed and directed by the PLC controls.

The ultimate solution:

## USG Water Solutions Asset Management

To maintain the long-term efficiency of the system once installed, USG Water Solutions provides a proactive Asset Management Program which includes an extended warranty on the equipment, including the smart controller, water quality station (probes and sensors), mixer and pump skid (tubing excluded). In addition, our experts perform annual inspections and testing of the Monoclor® RCS chloramine management system and replace probes annually so you never have to worry about the reliability of the system.

Take control of your residual levels.

Call 1-855-526-4413 or visit

[www.usgwater.com](http://www.usgwater.com)

Utility Service Group Water Solutions

1230 Peachtree Street NE  
Suite 1100 | Promenade Building  
Atlanta, GA 30309



**USG WATER**  
— SOLUTIONS —

An ISO 9001:2015 Quality Assured Company