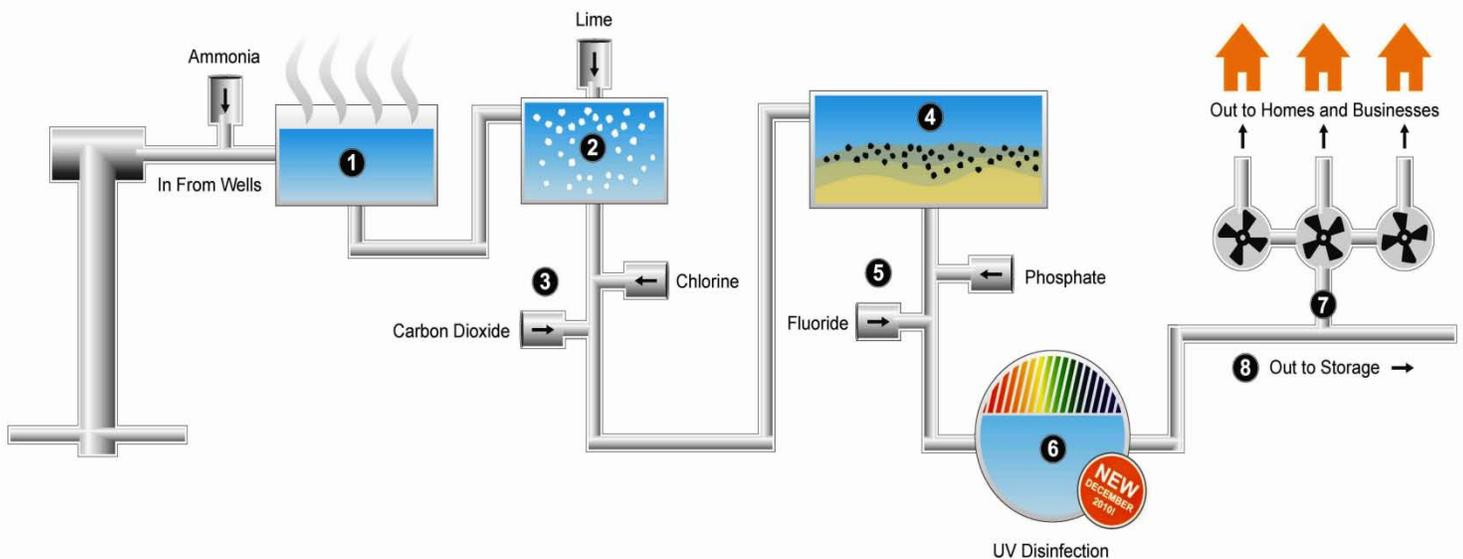


Water Treatment Process

The City of Cedar Rapids Water Division has been committed to delivering clean, safe water to our customers for over a century. Recently the Cedar Rapids Water Division added an ultraviolet light disinfection system as an additional level of protection to the current water treatment process. The steps in water treatment process are described below:



1. Aeration

Similar to water flowing over falls
Removes gases such as radon

2. Softening

Reduces deposits in water heaters
Improves taste and smell of water

3. Chlorination & Recarbonation

Kills disease-causing bacteria
Lowers water pH

4. Filtration

Removes remaining suspended matter

5. Fluoridation & Phosphate Addition

Promotes children's dental health
Reduces possibility of lead leaching out of pipes

6. Ultraviolet Light Disinfection

Damages DNA of microorganisms so they do not pose a health risk

7. Distribution

Water delivered to homes and businesses

8. Storage

Ensures water supply during daily or seasonal fluctuations, and for critical episodes like fires or flooding