

Water Treatment Process

How It Works

Alum (aluminum sulfate) — Helps the impurities stick together to form bigger particles called floc. Gentle mixing allows the floc particles to grow bigger and heavier.

Chloramine — Long-lasting disinfectant.

Chlorine Dioxide — Disinfectant.

Filtration — Filtration is a physical process that removes very tiny particles.

Fluoride — Added for dental health. View our fluoride position statement at: www.charlestonwater.com/positionstatement.

Lime — pH Adjustment for chemical stability.

Orthophosphate — Lead and copper control.

Polymer — Aids with flocculation.

Powdered Activated Carbon — Added for taste and odor control.

Sedimentation (settling) — Sedimentation allows the large, heavy floc particles to settle to the bottom leaving the clean water on top.

