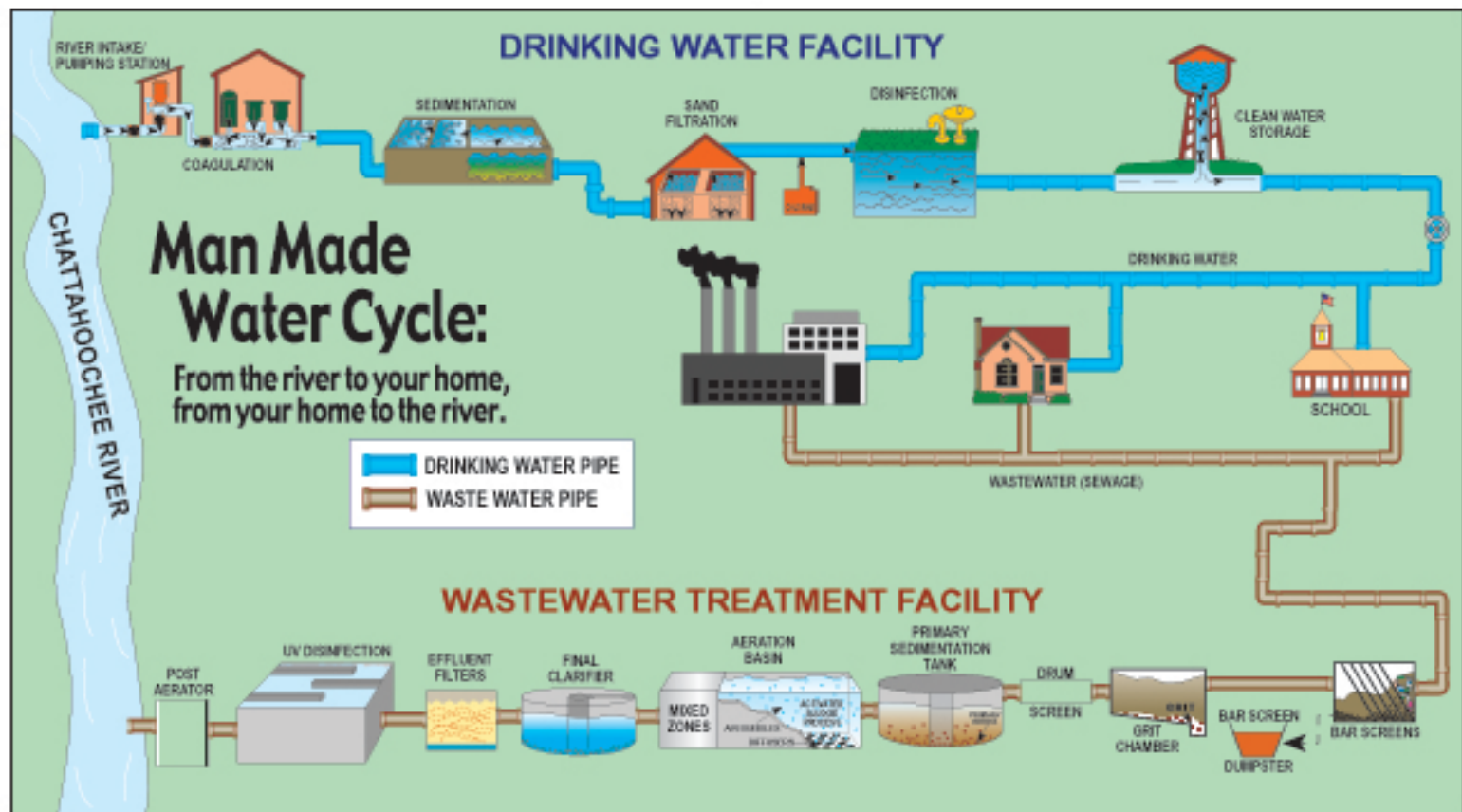


CITY OF ATLANTA • DEPARTMENT OF WATERSHED MANAGEMENT
Robert J. Hunter, Commissioner



Water Treatment & Wastewater Treatment Terms

Water Treatment (Drinking Water Process)

Coagulation: Alum and other chemicals are added to water to form tiny sticky particles called "floc" which attract the dirt particles.

Sedimentation: The heavy particles (floc) settle to the bottom and clear water moves to filtration.

Filtration: The water passes through filters that help to remove even more smaller particles.

Disinfection: A small amount of chlorine is added to kill any bacteria or microorganisms that may be in the water.

Storage: Water is placed in a closed tank or reservoir where it flows through pipes to homes, schools and businesses in the community.

Wastewater Treatment (Sewage Treatment Process)

Bar Screens: Filter out rags, sticks and other large items.

Grit Chamber: Slows down water so that heavy solids can settle.

Drum Screens: Removes plastics, debris and fine particles from the wastewater.

Primary Sedimentation Tank: A primary sedimentation tank that lets smaller particles settle.

Aeration Basin: A tank that mixes air with water, to help microorganisms consume (eat) harmful materials.

Final Clarifier: Allows clumps to form with solids and settle to the bottom.

Effluent Filters: Removes any final particles and sedimentation left after secondary sedimentation treatment.

UV Disinfection: An ultraviolet light which kills disease-causing organisms.

Post Aeration: After the UV process, post aeration ensures that an adequate amount of dissolved oxygen is in the effluent prior to discharge into the river.



Department of Watershed Management Helpful Phone Numbers

Drinking Water - Customer Services
404-658-6500

Sewer Problems
404-634-0751

Erosion Control
404-330-6990

Wastewater Treatment Facilities
R.M. Clayton WRC
404-351-6120

Utoy Creek WRC
404-696-7000

South River WRC
404-350-6100



www.cleanwateratlanta.org