MIAMI-DADE WATER TREATMENT PROCESS

Our number one goal is to provide Miami-Dade County residents, visitors and businesses with a safe and dependable supply of high quality drinking water.

WELLS - Water is pumped from various on-site and remote wells to the treatment facilities.

SOFTENING - Lime is added to soften the water. The sedimentation particles settle to the botom of the tank. These particles are known as lime sludge.

CONTACT BASINS Additional settling takes place.

PRIMARY & SECONDARY DISINFECTION - Chlorine is added as a primary disinfectant to protect the water from bacteria. Ammonia is added to combine with chlorine and form chloramine. This secondary disinfectant is used to protect the water from bacteria in the distribution system.

RESERVOIR - Treated water is stored in reservoirs and remote storage tanks and is pumped as needed into the distribution system.

CORROSION CONTROL/ FLUORIDATION - A phosphorous compound is added to reduce corrosion in the distribution system and the plumbing in homes/businesses. A small amount of fluoride is also added.

SAND/ANTHRACITE FILTER - Water flows through dual media filters to ensure all remaining particles are removed.

AQUIFER

TO HOMES AND BUSINESSES

NOTE: Additional processes (ie: Air Stripping) take place at the Hialeah and John E. Preston Water Treatment Plants to remove additional volatile organic compounds.

QUALITY. VALUE. ECONOMIC GROWTH.

WWW.MIAMIDADE.GOV/WATER