

From Source to Tap: Groundwater Treatment

1

Source

Water is pumped from underground wells to a treatment system on the surface.

2

Custom Pre-Treatment

Custom pre-treatments, if required, might include some combination of ion-exchange filtration, activated-carbon filters, sequestration, and/or aeration.

3

Chlorination

Chlorine is added to the water to kill harmful pathogens.

4

Custom Post-Treatment

Post-chlorination treatment, if required, might include green sand filters or the addition of substances that control corrosion of the metal pipes that make up the distribution system.

5

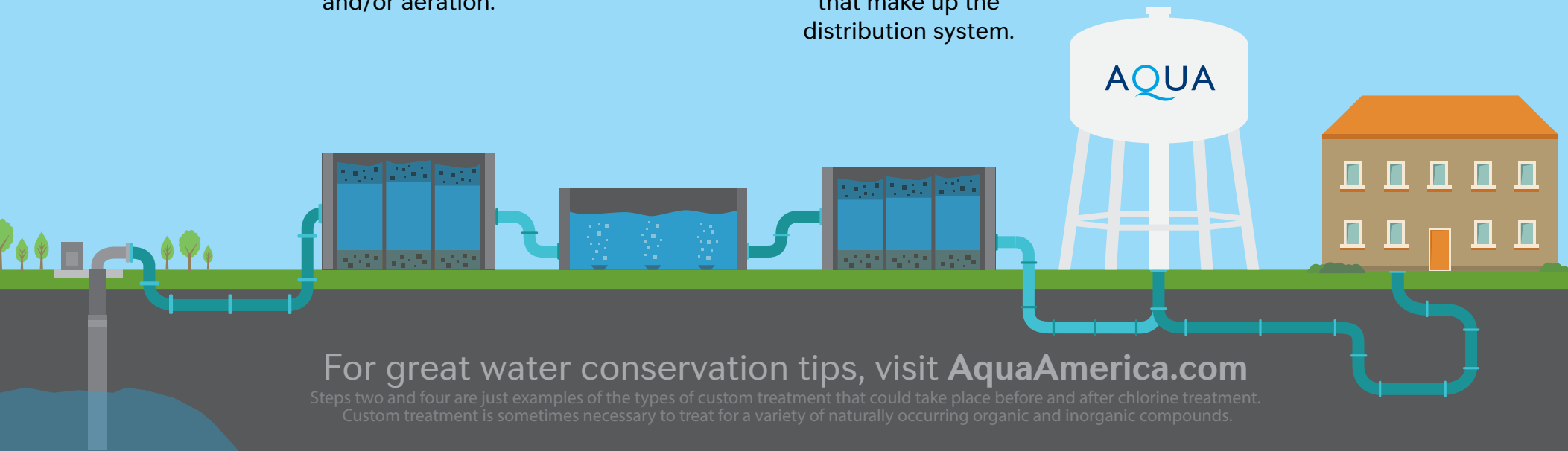
Storage

In larger systems, water that is not immediately needed is stored in tanks. Storing the water in these elevated tanks helps stabilize water pressure.

6

Distribution

The clean, drinkable water is now transported to the distribution system, which will deliver the water to homes and businesses.



For great water conservation tips, visit [AquaAmerica.com](https://www.aquaamerica.com)

Steps two and four are just examples of the types of custom treatment that could take place before and after chlorine treatment. Custom treatment is sometimes necessary to treat for a variety of naturally occurring organic and inorganic compounds.