

# Rosenberg

## SURFACE WATER CONVERSION

### WHERE IS YOUR WATER COMING FROM?

Water is in the news a lot these days. Figuring out what everything means and how it all fits together can be confusing. Many of the changes taking place in the City of Rosenberg came about due to subsidence, sinking of the ground caused by the pumping of groundwater.

In order to reduce the amount of sinkage, the Fort Bend Subsidence District (FBSD) was created to regulate groundwater usage. By the year 2025, the FBSD will require a 60% reduction of groundwater usage. The City of Rosenberg is currently under mandates for a 30% groundwater reduction. That means, that as of June 1st, Rosenberg water is a mixture of surfacewater and groundwater.

The treated surface water is supplied by the Brazosport Water Authority (BWA) and pumped from the Brazos River. BWA will ultimately supply approximately three million gallons of surface water a day to the City of Rosenberg.

### WHAT'S IN YOUR WATER?

When you pour yourself a glass of Rosenberg water straight from the tap, you are getting a combination of treated surface water and groundwater. The water is disinfected using chloramines, the same disinfection agent used by larger cities such as Houston. Water is sampled and tested to assure that it is clean, tasty, and of the highest quality.

Based on the samples taken and tested by the State of Texas, Rosenberg's water has been rated "Superior" by the Texas Commission on Environmental Quality (TCEQ). This is more than just an opinion, the "Superior" water designation means that Rosenberg water has been given the highest possible rating in terms of safe, reliable water. The rating also takes into account the number of licensed operators who are working on quality checks, as well as the readiness and preparedness levels in case of an emergency that could damage treatment facilities or pumps.

## What Does it Mean?

**Subsidence:** Subsidence occurs when groundwater withdrawal causes the ground to sink. Each year that the City sources groundwater, land subsidence increases; therefore, the Fort Bend Subsidence District has put mandates in place to reduce groundwater usage.

**Groundwater:** Groundwater is pumped from underground aquifers. It comes from precipitation that has seeped through layers of soil and mixed with water already below the Earth's surface.

**Surfacewater:** Surface water is pumped from above-ground sources such as lakes, rivers, and streams.

**Chloramines:** There are many different ways to treat and disinfect water. Rosenberg has converted to chloramine disinfectants.

**TCEQ:** The Texas Commission on Environmental Quality protects the state of Texas' health and natural resources.

**BWA:** Rosenberg's treated surface water is pumped in from the Brazosport Water Authority. Approximately three million gallons per day is needed to supply with Fort Bend Subsidence District's mandates.





