

## Critical Water Quality Information for Dialysis Clinics

### **Source Water Documentation:**

- Primary Water Source: Bushy Park Reservoir
- Secondary Water Source: Edisto River
- The lowest annual water temperature is 55° Fahrenheit

Seasonal or raw water quality changes can cause an adjustment in the amount of alum or lime feed, thus influencing the calcium or aluminum content of the finished water.

Water pressure leaving our plant (Hanahan) is between 80 to 100 psi. However, depending on dialysis clinic location actual pressure may be significantly lower.

Our source water supply is treated using the following chemicals:

- Alum (aluminum sulfate): (30 ppm – 80 ppm)
- Chlorine: <1ppm
- Chloramine: 3.5 ppm
- Chlorine Dioxide: <1.2 ppm
- Floc Polymer: 0.01 ppm
- Fluoride: 0.7ppm (target level)
- Phosphoric Acid: 1ppm (per lead and copper rule for corrosion control)
- pH Target level (8.0-9.0 S.U.)
- Liquid Lime (Calcium Hydrate) (15 ppm - 30 ppm)
- **Ferric Chloride, Gypsum and Copper sulfate are not used.**

### **For more information related to drinking water characteristics, please see links below:**

- Inorganic contaminants included in the National Interim Primary Drinking Water Regulations are tested monthly and the results [can be found here.](#)
- Results are reported in the annual Water Quality Report. The report [can be found here.](#)
- Backflow is required and backflow preventers must be checked annually by a Charleston Water System (CWS) [approved licensed plumber.](#)
- In the event of a tropical storm, flooding or hurricane, drinking water quality can change significantly. Please call Shawn Earl, our point of contact for dialysis clinics, at 843-727-2524.