

PRIMARY DRINKING WATER STANDARDS - REGULATED SUBSTANCES DETECTED IN 2017

INORGANIC COMPOUNDS							
Parameter	Unit	MCL	MCLG	Range	Highest Level Detected	Possible Sources	Violation
Fluoride	ppm	4	4			Drinking water additive Fluoride added during treatment to prevent tooth decay	
Stovall Plant				NA	0.52		NO
Adkins Plant				NA	0.62		NO
Distribution System				0.43-0.79	0.79		NO
Nitrate/Nitrite (as nitrogen)	ppm	10	10			Erosion of natural deposits; fertilizer runoff, By-products of nitrification	
Stovall Plant				NA	<0.020		NO
Adkins Plant				NA	0.054		NO
Distribution System				0.03-0.27	0.27		NO
ORGANIC COMPOUNDS							
TOC (Total Organic Carbon)				Average Percent Removal	Range		
Stovall Plant (samples collected monthly)				TT: 29%	13-44%	Occurs naturally in the environment	NO*
Adkins Plant (samples collected monthly)				TT: 17%	1-38%		NO*
DISINFECTANTS AND BYPRODUCTS							
	Unit	MCL	MCLG	Range	Average	Possible Sources	Violation
Chloramine	ppm	MRDL=4	MRDLG=4	0.67-3.00	2.32	Water disinfectant	NO
Total Trihalomethanes	ppb	80	0	5.1-16.9	LRAA = 11.8	By-products of disinfection	NO
Total Haloacetic Acids	ppb	60	0	6.1-19.8	LRAA = 14.9	By-products of disinfection	NO

*Due to low raw water TOC levels, Adkins and Stovall plants remain in compliance even when the percent removal is less than the required 35%.

MICROBIAL AND PHYSICAL CHARACTERISTICS

Parameter	Units	MCL	Results	Possible Sources	Violation
Total Coliform	% positive per month	Less than 5% positive per month	0.66% maximum	Common in the environment; human and animal waste	NO
Turbidity		95% of samples below MCL	100% of samples below MCL		
Stovall Plant	NTU	< 0.3	Maximum=0.07; Average= 0.04	Soil Runoff	NO
Adkins Plant	NTU	< 0.3	Maximum= 0.09; Average= 0.05		NO
Distribution System	NTU	NA	Average=0.15		NA

Terms and Abbreviations

MCL (Maximum Contaminant Level): The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

MCLG (Maximum Contaminant Level Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

TT (Treatment Technique): A required process intended to reduce the level of a contaminant in drinking water.

SU (Standard Units): Unit of measure to indicate water acid/base scale (pH).

AL (Action Level): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

ppm (parts per million): This is the same as milligrams per liter, or one penny out of \$10,000.

ppb (parts per billion): This is the same as micrograms per liter, or one penny out of \$10,000,000.

NA (Not Applicable): Does not apply. Ranges are not applicable for sampling conducted by SC DHEC.

ND (Not Detected): Not detected or below detection limits.

NTU (Nephelometric Turbidity Units): Units of measure to indicate water clarity.

MRDL (Maximum Residual Disinfectant Level): The highest level of a disinfectant allowed in drinking water without an unacceptable possibility of adverse health effects. There is convincing evidence that addition of a disinfectant is necessary for the control of

microbial contaminants.

MRDLG (Maximum Residual Disinfectant Level Goal): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of the disinfectants to control microbial contaminants.

LRAA (Locational Running Annual Average): The highest average concentration for 4 consecutive quarters at all sampling locations.

Turbidity: Measure of water clarity and filtration effectiveness.



LEAD AND COPPER RULE (2015 Results)

Parameter	Units	Action Level (AL)	90th Percentile Value	Sample Sites Exceeding Action Level	Possible Sources	Violation
Lead- Customer's Plumbing	ppb	15	0.0	0	Corrosion of household plumbing	NO
Copper- Customer's Plumbing	ppm	1.3	0.051	0	Corrosion of household plumbing	NO

Lead & Copper: If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Greenville Water is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your drinking water, you may wish to have the water inside your home tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

FINISHED WATER SECONDARY STANDARDS

Parameter	Units	MCL	Average	Range	Sources
Chloride	ppm	250	4.6	3.4-6.0	Soil runoff
Iron	ppb	300	ND	ND	Soil runoff, pipe material
Manganese	ppb	50	ND	ND	Soil runoff
pH	SU	6.5-8.5	7.6	7.0-8.7	Controlled at treatment plant
Totally Dissolved Solids	ppm	500	33	20-46	Soil runoff
Zinc	ppm	5	ND	ND	Drinking water additive
Sulfate	ppm	250	4.4	3.4-5.5	Drinking water additive
Aluminum	ppm	0.05-0.20	ND	ND	Drinking water additive

NEED WATER FOR COMMUNITY EVENTS?

GREENVILLE WATER HAS THE SOLUTION!

Greenville Water provides drinking water for outdoor community events held in our service area. We do this as a public service to support the community and share information about tap water.



The Water Buffalo is designed to dispense 400 gallons of clean, refreshing tap water into cups or reusable bottles. It is an environmentally friendly way to serve water at your event!

Just as important, we can also provide hand wash stations for outdoor events. Our staff will deliver the

stations, fill them with water and stock the station with paper towels and soap. We have six stations available.



To view guidelines and reserve the Water Buffalo and/or Hand Wash Stations for your event, please visit www.greenvillewater.com/water-for-community-events.