

Quality on Tap Report 2018
Mid County Water District #1 and #2
DHEC ID # 2020002 & 2020004

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Mid County Water District #1 utilizes well water. Mid County Water District #2 is supplied by the Town of Winnsboro. Wells and tanks for each water system are located within their respective water system. To view our Sourcewater Assessment or ask any questions about this report please contact Hubert Rentz at 803-635-5232.

We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the third Tuesday of July, November and February at 7:30 p.m. at our office on highway 38.

Mid County routinely monitors for constituents in your drinking water according to Federal and State laws. As water travels over the land or underground, it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk.

This table shows the results of our monitoring for the period of January 1st to December 31st, 2018. In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Non-Detects (ND) - laboratory analysis indicates that the constituent is not present.

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level (MCL) - The "Maximum Allowed" (MCL) is 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.

Maximum Contaminant Level Goal (MCLG) - The "Goal"(MCLG) is 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.

TEST RESULTS						
LEAD AND COPPER TEST RESULTS						
Contaminant	Violation Y/N	90 th percentile	Unit Measurement	Action Level	Sites over action level	Likely Source of Contamination
Copper (Midcounty Dist. 1) 2017	N	0.90	ppm	1.3	0	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Copper (Midcounty Dist. 2) 2018	N	.048	ppm	1.3	0	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (Midcounty Dist. 1) 2017	N	1.3	ppb	15	0	Corrosion of household plumbing systems, erosion of natural deposits

RADIONUCLIDES Mid-County Dist. #1						
Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination

Gross Alpha excluding radon and uranium (2018)	N	6.2 Range 1.5-6.2	pCi/L	0	15	Erosion of Natural Deposits
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TEST RESULTS Mid County District 1

Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Barium 2017	N	0.096 Range .066-.096	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits

Nitrate (as Nitrogen) 2017	N	1.4 Range .46-1.4	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium (2017) *Unregulated Contaminant	N	7.7-31	ppm	N/A	N/A	Naturally Occurring
Chlorine 2018	N	HQA .53 Range .1-1.2	ppm	MRDL= 4	MRDLG= 4	Water additive used to control microbes
Haloacetic acids (HAAs) 2018	N	LRAA 1.21 Range 1.21-1.21	ppb	60	0	By-product of drinking water disinfectant
TTHM [Total trihalomethanes] 2018	N	LRAA 1.19 Range 1.19-1.19	ppb	80	0	By-product of drinking water chlorination
Fluoride (2017)	N	0.11 Range .10-.11	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories

TEST RESULTS Mid County District 2

Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Chlorine 2018	N	HQA 1.67 Range 1.55-2.01	ppm	MRDL= 4	MRDLG= 4	Water additive used to control microbes
Haloacetic acids (HAAs) 2018	N	LRAA 32 Range 25.4-47.7	ppb	60	0	By-product of drinking water disinfectant
TTHM [Total trihalomethanes] 2018	N	LRAA 48 Range 32.6-57.8	ppb	80	0	By-product of drinking water chlorination

TEST RESULTS Town of Winnsboro

Fluoride – Town of Winnsboro 2018	N	0.47 Range .47-.47	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate (as Nitrogen) – Town of Winnsboro 2018	N	0.098 Range 0.098-0.098	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits

UNREGULATED CONTAMINANTS Town of Winnsboro

Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Sodium 2018	N/A	4.8	ppm	N/A	N/A	Water additive used to control microbes

As you can see by the table, our system had no violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some constituents have been detected. The EPA has determined that your water IS SAFE at these levels.

If present, elevated lead levels 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. Mid County 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 your water 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>

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1-800-426-4791.