

2021 Annual Drinking Water Quality Report
Harmony Water Association, Inc.
May, 2022

We're very pleased to provide you with this year's Annual Water Quality Report. We want to keep you informed about the excellent water and services we have delivered to you over the past year. Our goal is and always has been, to provide to you a safe and dependable supply of drinking water. The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identified potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request.

We're pleased to report that our drinking water meets all federal and state requirements.

If you have any questions about this report or concerning your water utility, please contact Daniel Dearman at 601-776-2593 or 118 Long Blvd. Quitman. 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 every month at 5:00 PM at the Harmony Water Association office, and our annual meeting is held the third Monday of October. You will receive a notice of location and time.

Harmony Water Association routinely monitors for 154 constituents in your drinking water according to federal and state laws. This table shows the results of our monitoring for the period of January 1st to December 31, 2021. 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.

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.

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

Maximum Contaminant Level – 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 – 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.

Maximum Residual Disinfectant Level (MRDL) – The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary to control microbial contaminants.

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

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.

PWS # 120005 Harmony Well #2 Sparta Sand Aquifer

Moderate susceptibility to contamination

Harmony Well #3 Lower Wilcox Aquifer

TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
8. Arsenic	N	2020*	.0009	No Range	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium #3	N	2020*	.0057	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2020*	.0008	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	1/1/2018 To 12/31/2020*	0.1	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride #3	N	2020*	.198	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	1/1/2018 To 12/31/2020*	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
22. Thallium	N	2020*	.0007	No Range	ppb	0.5	2	Leaching from oreprocessing sites; discharge from electronics, glass, and drug factories
Disinfectant By Products								
81. HAA5	N	2020*	2	No Range	ppb	0	60	By-product of drinking water disinfection
82. TTHM (Total Trihalomethanes)	N	2020*	7.21	No Range	ppb	0	80	By-product of drinking water chlorination
Chlorine	N	1/1/2021 To 12/31/2021	0.90	0.40 to 1.00	Mg/l	0	MDRL = 4	Water Additives; used to control microbes
Unregulated Contaminants								
Sodium	N	2021	113	No Range	ppm	20	60	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

***Most recent sample. No sample required for 2021.**

PWS # 120018 Elwood - Lower Wilcox Aquifer/Lower susceptibility to contamination

TEST RESULTS								
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
8. Arsenic	N	2020*	.0006	No Range	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2020*	.0115	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2020*	.0007	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	01/01/2017 To 12/31/2019*	0.2	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2020*	.144	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	1/1/2017 To 12/31/2019*	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
22. Thallium	N	2020*	.0005	No Range	ppb	0.5	2	Leaching from oreprocessing sites; discharge from electronics, glass, and drug factories
Disinfection By Products								
Chlorine	N	1/1/2021 To 12/31/2021	0.80	0.60 to 1.00	Mg/l	0	MDRL = 4	Water Additives; used to control microbes
Unregulated Contaminants								
Sodium	N	2021	97.2	No Range	ppm	20	None	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

Most recent sample. No sample required for 2021

PWS # 120016-#2 #3 #4 - Sandy Basin & Hwy 514 Wells -- Lower Wilcox Aquifer

Lower susceptibility to contamination

TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
8. Arsenic #3	N	2020*	.0005	No Range	Ppb	n/a	10	Erosion of natural deposits: runoff from orchards; runoff from glass and electronics production wastes
10. Barium #2 #3 #4	N	2020* 2020* 2020*	.0086 .0086 .009	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium #2 #3 #4	N	2020* 2020* 2020*	.001 .0007 .0008	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper # 4	N	1/1/2018* To 12/31/2020*	0.3	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
15. Cyanide #2	N	2021	0.0403	No Range	ppm	0.2	200	Discharge from steel /metal Factories; discharge from Plastic and fertilizer factories
16. Fluoride #2 #3 #4	N	2020* 2020* 2020*	.11 .107 .107	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead #4	N	1/1/2018* To 12/31/2020*	3	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
22. Thallium # 2 # 3 # 4	N	2020*	.0006 .0007 .0005	No Range	ppb	0.5	2	Leaching from oreprocessing sites: discharge from electronics, glass and drug factories
Disinfectant By Product								
81. HAA5	N	2020*	1	No Range	ppb	0	60	By-product of drinking water disinfection
82. TTHM (Total Trihalomethanes)	N	2020*	11.38	No Range	ppb	0	80	By-product of drinking water chlorination
Chlorine	N	1/1/2021 To 12/31/2021	0.70	0.40 to 0.80	Mg/l	0	MDRL = 4	Water Additives; used to control microbes

Most recent sample. No sample required for 2021

PWS # 120028 – North Enterprise -- Lower Wilcox Aquifer

Lower susceptibility to contamination

TEST RESULTS								
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants								
10. Barium	N	2020*	.0137	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	1/1/2017* To 12/31/2019*	0.2	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
17. Lead	N	1/1/2017* To 12/31/2019*	0	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
19. Nitrate (as Nitrogen)	N	2021	0.196	No Range	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
20. Nitrite (as Nitrogen)	N	2021	0.192	No Range	ppm	1	1	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Disinfectant By Product								
81. HAA5	N	2019*	6	No Range	ppb	0	60	By-product of drinking water disinfection
82. TTHM (Total Trihalomethanes)	N	2019*	6.39	No Range	ppb	0	80	By-product of drinking water chlorination
Chlorine	N	1/1/2021 To 12/31/2021	1.10	1.00 to 1.40	mg/l	0	MDRL = 4	Water Additives; used to control microbes
Unregulated Contaminants								
Sodium	N	2021	63	No Range	ppm	20	60	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

Most recent sample. No sample required for 2021

We are required to monitor your drinking water for specific contaminants on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

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. Harmony Water Association 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 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>. The Mississippi State Department of Health Public Health Laboratory offers lead testing. . Please contact 601.576.7582 if you wish to have your water tested.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or manmade. 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 Safe Drinking Water Hotline (800-426-4791).

We at Harmony Water Association work hard to provide top quality water at every tap. We ask that all customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

This report being published on the Web Page will not be mailed. Please call our office at 601/776-2593 if you would like a copy.