



## Microbiological Contaminants

1. Total Coliform Bacteria including E. Coli	N	November	Monitoring		NA	0	presence of coliform bacteria in 5% of monthly samples	Naturally present in the environment E Coli comes from human and animal fecal waste
--	---	----------	------------	--	----	---	--	--

## Inorganic Contaminants

8. Arsenic	N	2020	.6	No Range	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2020	.0755	.0744 - .0755	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2020	1.9	1.3 – 1.9	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2018/20	.4	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2020	.117	.103 - .117	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2018/20	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2019*	34000	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

## Disinfection By-Products

81. HAA5	N	2020	5	No Range	ppb	0	60	By-Product of drinking water disinfection.
Chlorine	N	2020	1.5	1.1 – 2.4	mg/l	0	MRDL = 4	Water additive used to control microbes

## PWS ID # 410024

## TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL/MRDL	Unit Measure -ment	MCLG	MCL	Likely Source of Contamination
-------------	---------------	----------------	----------------	---	--------------------	------	-----	--------------------------------

## Inorganic Contaminants

8. Arsenic	N	2020	.9	.1 - .9	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2020	.1256	.1254 - .1256	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2018/20	.3	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
15. Cyanide	N	2020	17	No Range	ppb	200	200	Discharge from steel/metal factories; discharge from plastic and fertilizer factories
16. Fluoride	N	2020	.118	.104 - .118	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2018/20	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits

Sodium	N	2019*	32000	27000 - 32000	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
--------	---	-------	-------	---------------	-----	---	---	---

### Volatile Organic Contaminants

76. Xylenes	N	2020	.000569	No Range	ppm	10	10	Discharge from petroleum factories; discharge from chemical factories
-------------	---	------	---------	----------	-----	----	----	---

### Disinfection By-Products

81. HAA5	N	2020	5	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2020	4.72	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2020	1.6	.4 – 2.4	mg/l	0	MRDL = 4	Water additive used to control microbes

## PWS ID # 410025

## TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL/MRDL	Unit Measurement	MCLG	MCL	Likely Source of Contamination
-------------	---------------	----------------	----------------	---	------------------	------	-----	--------------------------------

### Microbiological Contaminants

1. Total Coliform Bacteria including E. Coli	N	November	Monitoring		NA	0	presence of coliform bacteria in 5% of monthly samples	Naturally present in the environment E Coli comes from human and animal fecal waste
--	---	----------	------------	--	----	---	--	---

### Inorganic Contaminants

8. Arsenic	N	2020	.8	.7 - .8	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2020	.1099	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2020	2.2	1.4 – 2.2	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2018/20	.1	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
17. Lead	N	2018/20	0	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2019*	28000	25000 - 28000	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

### Volatile Organic Contaminants

76. Xylenes	N	2020	.000509	No Range	ppm	10	10	Discharge from petroleum factories; discharge from chemical factories
-------------	---	------	---------	----------	-----	----	----	---

### Disinfection By-Products

81. HAA5	N	2020	6	No Range	ppb	0	60	By-Product of drinking water disinfection.
Chlorine	N	2020	1.1	0 – 1.5	mg/l	0	MRDL = 4	Water additive used to control microbes

<b>PWS ID # 410035</b>		<b>TEST RESULTS</b>						
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL/MRDL	Unit Measure-ment	MCLG	MCL	Likely Source of Contamination
<b>Microbiological Contaminants</b>								
1. Total Coliform Bacteria including E. Coli	N	November	Monitoring		NA	0	presence of coliform bacteria in 5% of monthly samples	Naturally present in the environment E Coli comes from human and animal fecal waste
<b>Radioactive Contaminants</b>								
6. Radium 226	N	2018*	.15	No Range	pCi/L	0	5	Erosion of natural deposits
<b>Inorganic Contaminants</b>								
8. Arsenic	N	2020	1.9	1.6 – 1.9	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2020	.2482	.2298 - .2482	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2020	1.5	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2018/20	.4	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2020	.104	.1 - .104	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2018/20	2	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
21. Selenium	N	2020	2.5	No Range	ppb	50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
22. Thallium	N	2020	.6	No Range	ppb	0.5	2	Leaching from ore-processing sites; discharge from electronics, glass, and drug factories
Sodium	N	2019*	53000	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
<b>Disinfection By-Products</b>								
Chlorine	N	2020	.8	.4 – 1	mg/l	0	MRDL = 4	Water additive used to control microbes

<b>PWS ID # 410040</b>		<b>TEST RESULTS</b>						
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL/MRDL	Unit Measure-ment	MCLG	MCL	Likely Source of Contamination
<b>Microbiological Contaminants</b>								
1. Total Coliform Bacteria including E. Coli	N	November	Monitoring		NA	0	presence of coliform bacteria in 5% of monthly samples	Naturally present in the environment E Coli comes from human and animal fecal waste

<b>Inorganic Contaminants</b>								
8. Arsenic	N	2019*	.6	No Range	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2019*	.1576	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2018/20	.3	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
17. Lead	N	2018/20	2	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2019*	39000	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

### Disinfection By-Products

Chlorine	N	2020	.8	.4 – 1.2	mg/l	0	MRDL = 4	Water additive used to control microbes
----------	---	------	----	----------	------	---	----------	---

### PWS ID # 410041

### TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL/MRDL	Unit Measure-ment	MCLG	MCL	Likely Source of Contamination
-------------	---------------	----------------	----------------	---	-------------------	------	-----	--------------------------------

### Microbiological Contaminants

1. Total Coliform Bacteria including E. Coli	N	November	Monitoring		NA	0	presence of coliform bacteria in 5% of monthly samples	Naturally present in the environment E Coli comes from human and animal fecal waste
--	---	----------	------------	--	----	---	--	---

### Radioactive Contaminants

6. Radium 226 Radium 228	N	2020	.58 .73	No Range	pCi/L	0	5	Erosion of natural deposits
-----------------------------	---	------	------------	----------	-------	---	---	-----------------------------

### Inorganic Contaminants

8. Arsenic	N	2020	2.2	1.3 – 2.2	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2020	.2555	.154 - .2555	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2020	2.4	1.4 – 2.4	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2017/19*	.4	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2020	.165	.121 - .165	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2017/19*	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
21. Selenium	N	2020	2.8	2.6 – 2.8	ppb	50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Sodium	N	2019*	64000	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

## Synthetic Organic Contaminants including Pesticides and Herbicides

34. 1,2-Dibromo 3-Chloropropane	N	2020	99	94 - 99	ppb	0	200	Runoff/leaching from soil fumigant used on soybeans, cotton, pineapples, and orchards
41. Ethylene dibromide	N	2020	95	No Range	ppb	0	50	Discharge from petroleum refineries

### Disinfection By-Products

82. TTHM [Total trihalomethanes]	N	2020	3.6	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2020	1	0 – 1.9	mg/l	0	MRDL = 4	Water additive used to control microbes

## PWS ID # 410042

## TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL/MRDL	Unit Measure-ment	MCLG	MCL	Likely Source of Contamination
-------------	---------------	----------------	----------------	---	-------------------	------	-----	--------------------------------

### Microbiological Contaminants

1. Total Coliform Bacteria including E. Coli	N	November	Monitoring		NA	0	presence of coliform bacteria in 5% of monthly samples	Naturally present in the environment E Coli comes from human and animal fecal waste
--	---	----------	------------	--	----	---	--	---

### Inorganic Contaminants

10. Barium	N	2019*	.1234	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2017/19*	.2	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
17. Lead	N	2017/19*	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Sodium	N	2019*	19000	No Range	ppb	0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

### Disinfection By-Products

82. TTHM [Total trihalomethanes]	N	2018*	5.94	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2020	1	.3– 1.70	mg/l	0	MRDL = 4	Water additive used to control microbes

## PWS ID # 410044

## TEST RESULTS

Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL/MRDL	Unit Measure-ment	MCLG	MCL	Likely Source of Contamination
-------------	---------------	----------------	----------------	---	-------------------	------	-----	--------------------------------

### Microbiological Contaminants

1. Total Coliform Bacteria including E. Coli	N	November	Monitoring		NA	0	presence of coliform bacteria in 5% of monthly samples	Naturally present in the environment E Coli comes from human and animal fecal waste
--	---	----------	------------	--	----	---	--	---

<b>Inorganic Contaminants</b>								
10. Barium	N	2017*	.1488	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	7/01/20-12/31/20	.1	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2017*	.133	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	7/01/20-12/31/20	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
21. Selenium	N	2017*	1.5	No Range	ppb	50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
<b>Disinfection By-Products</b>								
82. TTHM [Total trihalomethanes]	N	2018	1.65	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2017*	1	.3 – 1.85	mg/l	0	MRDL = 4	Water additive used to control microbes

\* Most recent sample. No sample required for 2020.

**Microbiological Contaminants:**

(1) Total Coliform/E Coli. Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system. We found coliform indicating the need to look for potential problems in water treatment or distribution. When this occurs, we are required to conduct assessments (s) to identify problems and to correct any problems that were found during these assessments.

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 contaminants have been detected however the EPA has determined that your water IS SAFE at these levels.

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. During November 2020, our systems # 410001, 410025, 410035, 410040, 410041, 410042 and 410044 did not complete all monitoring or testing for bacteriological and Chlorine contaminants and therefore cannot be sure of the quality of our drinking water during that time. We were required to take 1 - 2 samples and took none. We have since taken the required sample that showed we are meeting drinking water standards.

Our systems received a CCR Report violation in 2019 for not completing this report by the July 1<sup>st</sup> deadline.

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. Our water system 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 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 microbial contaminants are available from the Safe Drinking Water Hotline 1.800.426.4791.

The North Lee County Water Association works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.