

Inorganic Contaminants								
10. Barium	N	2019	.087	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2019	1.7	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2015/17*	.4	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2019	.117	No Range	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2015/17*	0	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits

Disinfection By-Products

81. HAA5	N	2019	3	No Range	ppb	0	60	By-Product of drinking water disinfection.
Chlorine	N	2019	1.3	.3 – 2	mg/l	0	MRDL = 4	Water additive used to control microbes

Unregulated Contaminants

Sodium	N	2019	34000	No Range	PPB	NONE	NONE	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
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PWS ID # 410024

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
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Inorganic Contaminants

8. Arsenic	N	2019	.6	.5 - .6	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2019	.1405	.0883 - .1405	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2015/17*	.5	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2019	.108	.105 - .108	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2015/17*	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits

Disinfection By-Products

82. TTHM [Total trihalomethanes]	N	2019	4.23	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2019	1.8	1 – 2.5	mg/l	0	MRDL = 4	Water additive used to control microbes

Unregulated Contaminants

Sodium	N	2019	32000	27000 - 32000	PPB	NONE	NONE	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
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PWS ID # 410025		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								
10. Barium	N	2019	.1099	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2019	1.6	No Range	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits
14. Copper	N	2015/17*	.3	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
17. Lead	N	2015/17*	0	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits
Volatile Organic Contaminants								
76. Xylenes	N	2018	.001871	No Range	ppm	10	10	Discharge from petroleum factories; discharge from chemical factories
Disinfection By-Products								
81. HAA5	N	2019	13	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2019	5.91	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2019	1.2	.3 – 1.9	mg/l	0	MRDL = 4	Water additive used to control microbes
Unregulated Contaminants								
Sodium	N	2019	28000	25000 - 28000	PPB	NONE	NONE	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

PWS ID # 410035		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
Radioactive Contaminants								
6. Radium 226	N	2018*	.15	No Range	pCi/L	0	5	Erosion of natural deposits
Inorganic Contaminants								
8. Arsenic	N	2019	1.2	No Range	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2019	.2633	No Range	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
14. Copper	N	2015/17*	.4	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
16. Fluoride	N	2019	.11	No Range	ppm	4	4	Erosion of natural deposits; water

									additive which promotes strong teeth; discharge from fertilizer and aluminum factories
17. Lead	N	2015/17*	1	0	ppb	0	AL=15		Corrosion of household plumbing systems, erosion of natural deposits

Disinfection By-Products

81. HAA5	N	2018*	1	No Range	ppb	0	60		By-Product of drinking water disinfection.
Chlorine	N	2019	.7	.4 – 1	mg/l	0	MRDL = 4		Water additive used to control microbes

Unregulated Contaminants

Bromide	N	2018	610	530 - 610	UG/L				Naturally-occurring element found in the earth's crust and at low concentrations in seawater, and in some surface and ground water; cobaltous chloride was formerly used in medicines and as a germicide
Manganese	N	2018	72	37 - 72	UG/L				Naturally-occurring element; commercially available in combination with other elements and minerals; used in steel production, fertilizer, batteries and fireworks; drinking water and wastewater treatment chemicals; essential nutrient
Sodium	N	2019	53000	No Range	PPB	NONE	NONE		Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

PWS ID # 410040

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
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Inorganic Contaminants

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	2015/17*	.3	0	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
17. Lead	N	2015/17*	1	0	ppb	0	AL=15	Corrosion of household plumbing systems, erosion of natural deposits

Disinfection By-Products

Chlorine	N	2019	1.1	.3 – 1.2	mg/l	0	MRDL = 4		Water additive used to control microbes
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Unregulated Contaminants

Sodium	N	2019	39000	No Range	PPB	NONE	NONE		Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
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PWS ID # 410041

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
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Radioactive Contaminants								
6. Radium 226 Radium 228	N	2018*	.60 .56	No Range	pCi/L	0	5	Erosion of natural deposits

Inorganic Contaminants								
8. Arsenic	N	2019	3.3	1 – 3.3	ppb	n/a	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
10. Barium	N	2019	.2516	.2385 - .2516	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
13. Chromium	N	2019	1	No Range	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	2019	.157	.151 - .157	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

Disinfection By-Products								
81. HAA5	N	2018*	1	No Range	ppb	0	60	By-Product of drinking water disinfection.
82. TTHM [Total trihalomethanes]	N	2018*	4	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2019	1	.3 – 2.1	mg/l	0	MRDL = 4	Water additive used to control microbes

Unregulated Contaminants								
Sodium	N	2019	64000	No Range	PPB	NONE	NONE	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

PWS ID # 410042 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
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
Disinfection By-Products								
82. TTHM [Total trihalomethanes]	N	2018*	5.94	No Range	ppb	0	80	By-product of drinking water chlorination.
Chlorine	N	2019	1	.4– 2.10	mg/l	0	MRDL = 4	Water additive used to control microbes
Unregulated Contaminants								
Sodium	N	2019	19000	No Range	PPB	NONE	NONE	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.

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
Inorganic Contaminants								
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	2017/19	.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	2017/19	2	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
Disinfection By-Products								
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 2019.

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 2019, our system North Lee #4 Macedonia (MS041035), did not receive a test kit to monitoring or test for Nitrate/Nitrite. We were required to take 1 sample and took 0. Therefore we cannot be sure of the quality of your drinking water during that time. This caused our system to have a monitoring violation. The sample will be taken by 12/31/2020 and our system will be returned to compliance.

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.