

2021 CERTIFICATION

Consumer Confidence Report (CCR)

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North Lee County Water Association

PRINT Public Water System Name

0410001, 0410024, 0410025, 0410035, 0410040, 0410041, 0410042, 0410044

List PWS ID #s for all Community Water Systems included in this CCR

CCR DISTRIBUTION (Check all boxes that apply)

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CERTIFICATION

I hereby certify that the Consumer Confidence Report (CCR) has been prepared and distributed to its customers in accordance with the appropriate distribution method(s) based on population served. Furthermore, I certify that the information contained in the report is correct and consistent with the water quality monitoring data for sampling performed and fulfills all CCR requirements of the Code of Federal Regulations (CFR) Title 40, Part 141.151 – 155.

Philip Fitts
Name

Water Operator
Title

5-24-22
Date

SUBMISSION OPTIONS (Select one method ONLY)

You must email or mail a copy of the CCR, Certification, and associated proof of delivery method(s) to the MSDH, Bureau of Public Water Supply.

Mail: (U.S. Postal Service)
MSDH, Bureau of Public Water Supply
P.O. Box 1700
Jackson, MS 39215

Email: water.reports@msdh.ms.gov

Microbiological Contaminants

| | | | | | | | | | |
|--|---|-----|------------|--|----|---|--|--|--|
| 1. Total Coliform Bacteria including E. Coli | N | May | 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 | 2021 | .6 | No Range | ppb | n/a | 10 | | Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes |
| 10. Barium | N | 2021 | .0794 | No Range | ppm | | 2 | 2 | Discharge of drilling wastes; discharge from metal refineries; 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 |
| 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. |

Volatile Organic Contaminants

| | | | | | | | | | |
|-------------|---|------|---------|----------|-----|--|----|----|---|
| 76. Xylenes | N | 2021 | .001952 | No Range | ppm | | 10 | 10 | Discharge from petroleum factories; discharge from chemical factories |
|-------------|---|------|---------|----------|-----|--|----|----|---|

Disinfection By-Products

| | | | | | | | | | |
|----------------------------------|---|------|------|----------|------|--|---|----------|--|
| 82. TTHM [Total trihalomethanes] | N | 2021 | 2.22 | No Range | ppb | | 0 | 80 | By-product of drinking water chlorination. |
| Chlorine | N | 2021 | 1.6 | .4 – 1.9 | 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 | 2021 | .000732 | No Range | ppm | 10 | 10 | Discharge from petroleum factories; discharge from chemical factories |
| Disinfection By-Products | | | | | | | | |
| Chlorine | N | 2021 | 1.4 | .3 - 2.9 | 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 Measure -ment | MCLG | MCL | Likely Source of Contamination |
| 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. |
| Disinfection By-Products | | | | | | | | |
| 81. HAA5 | N | 2021 | 11.1 | No Range | ppb | 0 | 60 | By-Product of drinking water disinfection. |
| 82. TTHM [Total trihalomethanes] | N | 2021 | 1.06 | No Range | ppb | 0 | 80 | By-product of drinking water chlorination. |
| Chlorine | N | 2021 | .9 | .2 - 1.7 | mg/l | 0 | MRDL = 4 | Water additive used to control microbes |

| 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 | 2021 | 1.8 | No Range | ppb | n/a | 10 | Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes |
| 10. Barium | N | 2021 | .26 | No Range | ppm | 2 | 2 | Discharge of drilling wastes; discharge from metal refineries; 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 |
| 17. Lead | N | 2018/20* | 2 | 0 | ppb | 0 | AL=15 | Corrosion of household plumbing systems, erosion of natural deposits |
| Sodium | N | 2019* | 53000 | No Range | ppb | 0 | 0 | Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents. |

Disinfection By-Products

| | | | | | | | | |
|----------------------------------|---|------|-----|----------|-----|---|----------|--|
| 81. HAA5 | N | 2021 | 1 | No Range | ppb | 0 | 60 | By-Product of drinking water disinfection. |
| 82. TTHM [Total trihalomethanes] | N | 2021 | 2.2 | No Range | ppb | 0 | 80 | By-product of drinking water chlorination. |
| Chlorine | N | 2021 | .9 | .3 – 1.4 | ppm | 0 | MRDL = 4 | Water additive used to control microbes |

PWS ID # 410040

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 | 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 | 2021 | 1 | .6 – 1.4 | 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 |
|-------------|---------------|----------------|----------------|---|-------------------|------|-----|--------------------------------|
|-------------|---------------|----------------|----------------|---|-------------------|------|-----|--------------------------------|

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 | 2021 | 1.3 | .6 – 1.3 | ppb | n/a | 10 | Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes |
| 10. Barium | N | 2021 | .19 | .169 - .19 | ppm | 2 | 2 | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits |

| | | | | | | | | |
|--------------|---|----------|-------|------------|-----|-----|--------|---|
| 13. Chromium | N | 2021 | 1 | .5 – 1 | 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 | 2021 | .13 | .118 - .13 | 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 | 2021 | 1.02 | No Range | ppb | 0 | 80 | By-product of drinking water chlorination. |
| Chlorine | N | 2021 | 1 | .2– 2.1 | 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 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 |
| 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 | 2021 | 1 | .3– 1.8 | 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 Measurement | 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 | 1-6/21 7-12/21 | 0 .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 | 1-6/21 7-12/21 | 1 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 | | | | | | | | |
| 81. HAA5 | N | 2021 | 15 | 0 – 30.9 | ppb | 0 | 60 | By-Product of drinking water disinfection. |
| 82. TTHM [Total trihalomethanes] | N | 2021 | 20 | 0 - 40 | ppb | 0 | 80 | By-product of drinking water chlorination. |
| Chlorine | N | 2021 | 1.9 | 1.8 - 3 | mg/l | 0 | MRDL = 4 | Water additive used to control microbes |

* Most recent sample. No sample required for 2021.

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 May 2021, our system # 410001 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 2 samples and took one. We have since taken the required sample that showed we are meeting drinking water standards.

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.