

# 2021 CERTIFICATION

Consumer Confidence Report (CCR)

NORTH LAUDERDALE WATER ASSN., INC.

PRINT Public Water System Name

MS0380006

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

CCR DISTRIBUTION (Check all boxes that apply)		DATE ISSUED
<b>INDIRECT DELIVERY METHODS (Attach copy of publication, water bill or other)</b>		
<input type="checkbox"/> Advertisement in local paper (Attach copy of advertisement)		
<input type="checkbox"/> On water bill (Attach copy of bill)		
<input type="checkbox"/> Email message (Email the message to the address below)		
<input type="checkbox"/> Other (Describe: _____)		
<b>DIRECT DELIVERY METHOD (Attach copy of publication, water bill or other)</b>		
<input type="checkbox"/> Distributed via U.S. Postal Service		
<input type="checkbox"/> Distributed via E-mail as a URL (Provide direct URL): _____		
<input type="checkbox"/> Distributed via Email as an attachment		
<input type="checkbox"/> Distributed via Email as text within the body of email message		
<input type="checkbox"/> Published in local newspaper (attach copy of published CCR or proof of publication)		
<input type="checkbox"/> Posted in public places (attach list of locations or list here) _____		
<input checked="" type="checkbox"/> Posted online at the following address (Provide direct URL): <u>HTTPS://NLWA.MS/CCR</u>		<u>21 JUNE 2022</u>

### 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.

TOOR KIRWAN

Name

PRESIDENT

Title

21 JUNE 2022

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



# North Lauderdale Water Association

## 2021 Drinking Water Quality Report

PWS ID# MS0380006

22 June 2022

The North Lauderdale Water Association presents our annual Water Quality / Consumer Confidence Report (CCR) for the period of January 1 through December 31, 2021. Our mission is to consistently provide our members with high-quality drinking water. Our system recently received its 8th consecutive perfect score of 5.0 on the annual management inspection from the MS Department of Health. Our water quality is tested far more frequently (4 times a day) and thoroughly (for more than 70 substances) than bottled water from the supermarket. **Your NLWA drinking water meets all state and federal standards with zero violations.**

NLWA water is drawn from 5 wells that tap the Lower Wilcox Aquifer at depths between 450 and 650 feet. The MS Department of Health has performed a source water assessment for each well and these can be viewed on request at the NLWA main office. Our water supply is ranked low to moderate for susceptibility to contamination.

The table below shows the positive results of all water testing throughout calendar year 2021. For substances where testing wasn't required in 2021, the table reflects the most recent results in the past 5 years. As water travels over land or underground, it can pick up substances such as microbes, inorganic and organic chemicals, and radioactive elements. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some of these substances. As testing technology improves, smaller amounts become detectable. The presence of these substances in small amounts does not necessarily pose a health risk.

### Lead and Copper – Tested every 3 years at faucets in customers' homes.

Substance	Upper Limit (AL)	Threshold (MCLG)	90% of Tests Above Less Than	Samples	Total Samples	Violation	Typical Sources
Lead	15 ppb	0	1.0 ppb	0	20	No	<ul style="list-style-type: none"> <li>Corrosion of household plumbing</li> <li>Leaching of natural mineral deposits</li> </ul>
Copper	1.3 ppm	1.3 ppm	0.3 ppm	0	20	No	<ul style="list-style-type: none"> <li>Corrosion of household plumbing</li> <li>Leaching of natural mineral deposits</li> <li>Leaching from wood preservatives</li> </ul>

### Microbial – Tested monthly at distribution system sampling points.

Type	Upper Limit (MCL)	Threshold (MCLG)	Highest Rate	Positive Samples	Total Samples	Violation	Typical Sources
Coliform	1 pos/mo	0 pos/mo	0 pos/mo	0	242	No	<ul style="list-style-type: none"> <li>Naturally present in environment</li> <li>Livestock &amp; agriculture runoff</li> <li>External contamination at sample tap</li> </ul>

### Chemical & Radiological – Tested regularly in treatment plants and distribution system sampling points.

Substance	Upper Limit (MCL/AL)	Threshold (MCLG/MRL)	Range of Test Results		Total Samples	Violation	Typical Sources
			Low	High			
Barium	2.0 ppm	2.0 ppm	0.065 ppm	0.065 ppm	1*	No	<ul style="list-style-type: none"> <li>Leaching of natural mineral deposits</li> <li>Drilling wastes</li> <li>Metal refineries</li> </ul>
Calcium	NA	NA	12.1 ppm	12.1 ppm	1*	No	<ul style="list-style-type: none"> <li>Leaching of natural mineral deposits</li> </ul>
Chloride	250 ppm	NA	9.2 ppm	9.2 ppm	1*	No	<ul style="list-style-type: none"> <li>Leaching of natural mineral deposits</li> </ul>
Chromium	100 ppb	100 ppb	1.0 ppb	1.0 ppb	1*	No	<ul style="list-style-type: none"> <li>Leaching of natural mineral deposits</li> <li>Leaching of natural mineral deposits</li> <li>Metal fabrication and coatings</li> </ul>
Cyanide	200 ppb	200 ppb	15 ppb	15 ppb	4*	No	<ul style="list-style-type: none"> <li>Discharge from metal, plastic, fertilizer plants</li> </ul>
Gross Alpha	15 pCi/L	0	1.0 pCi/L	1.5 pCi/L	4*	No	<ul style="list-style-type: none"> <li>Leaching of natural mineral deposits</li> </ul>
Iron	300 ppb	NA	58 ppb	58 ppb	1*	No	<ul style="list-style-type: none"> <li>Leaching of natural mineral deposits</li> </ul>
Manganese	NA	50 ppb	1.4 ppb	15 ppb	3*	No	<ul style="list-style-type: none"> <li>Leaching of natural mineral deposits</li> <li>Steel production</li> <li>Dietary supplement</li> </ul>
Sulfate	250 ppm	NA	5.6 ppm	5.6 ppm	1*	No	<ul style="list-style-type: none"> <li>Leaching of natural mineral deposits</li> </ul>
Total Radium	5 pCi/L	0	0.4 pCi/L	4.0 pCi/L	4*	No	<ul style="list-style-type: none"> <li>Leaching of natural mineral deposits</li> </ul>

### Water Treatment & By-Products – Produced by mandatory chemical treatment.

Substance	Upper Limit (MCL)	Threshold (MCLG/MRL)	Range of Test Results		Total Samples	Violation	Typical Sources
			Low	High			
Chlorine	4.0 ppm MRDL	N/A	1.46 ppm	2.84 ppm	120	No	<ul style="list-style-type: none"> <li>Water additive used for disinfection</li> </ul>
Fluoride	4.0 ppm	4.0 ppm	0.895 ppm	0.895 ppm	1*	No	<ul style="list-style-type: none"> <li>Water additive which reduces tooth decay</li> <li>Leaching of natural mineral deposits</li> <li>Fertilizer and aluminum factories</li> </ul>
Halocetic Acids (HAA5)	60 ppb	N/A	2.74 ppb	2.74 ppb	1	No	<ul style="list-style-type: none"> <li>By-products of drinking water chlorination</li> </ul>
Trihalo-methanes (THM)	80 ppb	N/A	No Detect	No Detect	1	No	<ul style="list-style-type: none"> <li>By-products of drinking water chlorination</li> </ul>

### Unregulated Contaminants – Monitored by EPA to determine if future regulations are warranted.

Substance	Upper Limit (MCL)	Threshold (MCLG/MRL)	Range of Test Results		Total Samples	Violation	Typical Sources
			Low	High			
Bromine	NA	NA	0.89 ppb	1.03 ppb	4*	No	<ul style="list-style-type: none"> <li>By-products of drinking water chlorination</li> </ul>
Halocetic Acids (HAA6Br)	NA	NA	1.50 ppb	1.81 ppb	4*	No	<ul style="list-style-type: none"> <li>By-products of drinking water chlorination</li> </ul>
Halocetic Acids HAA9 (THAA5 + HAA6Br)	NA	NA	1.8 ppm	1.8 ppm	1*	No	<ul style="list-style-type: none"> <li>Leaching of natural mineral deposits</li> </ul>
Magnesium	NA	NA	5.4 ppm	5.4 ppm	1*	No	<ul style="list-style-type: none"> <li>Leaching of natural mineral deposits</li> </ul>
Potassium	NA	NA	13.9 ppm	13.9 ppm	1*	No	<ul style="list-style-type: none"> <li>Leaching of natural mineral deposits</li> </ul>
Sodium	NA	NA	13.9 ppm	13.9 ppm	1*	No	<ul style="list-style-type: none"> <li>Leaching of natural mineral deposits</li> </ul>

\* Parts per million (ppm) or milligrams per liter (mg/L) = one drop in 13 gallons  
 \* Parts per billion (ppb) or micrograms per liter (ug/L) = one drop in 13,000 gallons  
 • AL = Action Level: the level of a contaminant which triggers mandatory treatment or other actions by the water system  
 • MCL = Maximum Contaminant Level: the highest level of a contaminant that is allowed in drinking water  
 • MCLG = Maximum Contaminant Level Goal: the highest level of a contaminant in drinking water with no known health risk  
 • RAA = Running Annual Average  
 • MRDL = Maximum Residual Disinfectant Level (active chlorine)  
 • pCi/L = PicoCuries of Radioactivity per Liter

### Violations: NONE Exceedances: NONE Variances: NONE Deficiencies: NONE Exemptions: NONE

**Fluoridation:** To comply with the "Regulation Governing Fluoridation of Community Water Supplies," NLWA is required to report certain results pertaining to fluoridation of our water system. The number of months in the previous calendar year in which average fluoride sample results were within the optimal range of 0.6 - 1.2 ppm was 12. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.6 - 1.2 ppm was 96%.

**Lead:** 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 customer service lines and home plumbing. North Lauderdale Water Association is responsible for providing high quality drinking water, but cannot control the materials used in customer plumbing components. Those with lead or copper in their pipes can minimize the potential for heavy metal exposure by running a 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 request 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 (1-800-426-4791) or at [www.epa.gov/safewater/lead](http://www.epa.gov/safewater/lead). The Mississippi State Department of Health Public Health Laboratory offers lead and other contaminant testing. Please contact 601-576-7582 to request the state lab test your water.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as those 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).

If you have any questions about this report or concerning your NLWA water quality, please contact the Senior Waterworks Operator, Darin Billheimer, at 601-681-6157, review the documents posted on our web page at [nlwa.ms](http://nlwa.ms), join our Facebook page at [www.facebook.com/northlauderdalewater](http://www.facebook.com/northlauderdalewater), or attend any of our regularly scheduled board meetings on the second Thursday of each month at the NLWA main office located at 9709 Mount Carmel Road, Bailey MS 39320.

Sincerely,  
Todd "Ike" Kiefer, President





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Lead and Copper - Tested every 3 years at faucets in customers' homes.						
Substance	Upper Limit (AL)	Threshold (MCLG)	90% of Tests Less Than	Samples Above Limits	Total Samples	Violation
Lead	15 ppb	0	1.0 ppm	0	23	No
Copper	1.3 ppm	1.3 ppm	0.3 ppm	0	23	No
Microbial - Tested monthly at distribution system sampling points.						
Type	Upper Limit (MCL)	Threshold (MCLG)	Highest Rate	Positive Samples	Total Samples	Violation
Coliform	1 pos/mo	0 pos/mo	0 pos/mo	0	242	No
Chemical & Radiological - Tested regularly in treatment plants and distribution system sampling points.						
Substance	Upper Limit (MCL/AL)	Threshold (MCLG/MRL)	Range of Test Results	Total Samples	Violation	Typical Sources
Barium	2.0 ppm	2.0 ppm	Low: 0.065 ppm High: 0.065 ppm	1*	No	* Leaching of natural mineral deposits
Calcium	NA	NA	Low: 12.1 ppm High: 12.1 ppm	1*	No	* Hardness
Chloride	250 ppm	NA	Low: 9.2 ppm High: 9.2 ppm	1*	No	* Leaching of natural mineral deposits
Chromium	100 ppb	100 ppb	Low: 3.0 ppb High: 3.0 ppb	1*	No	* Leaching of natural mineral deposits
Cyanide	300 ppb	200 ppb	Low: 15 ppb High: 15 ppb	4*	No	* Leaching from metal, paint, fertilizer
Copper	1.3 ppm	1.3 ppm	Low: 0.3 ppm High: 0.3 ppm	4*	No	* Leaching of natural mineral deposits
Iron	300 ppb	NA	Low: 58 ppb High: 58 ppb	1*	No	* Leaching of natural mineral deposits
Manganese	NA	50 ppb	Low: 1.4 ppb High: 1.4 ppb	3*	No	* Leaching of natural mineral deposits
Sulfate	250 ppm	NA	Low: 5.6 ppm High: 5.6 ppm	1*	No	* Leaching of natural mineral deposits
Total Hardness	NA	0	Low: 0.4 ppm High: 4.0 ppm	4*	No	* Leaching of natural mineral deposits
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Substance	Upper Limit (MCL)	Threshold (MCLG/MRL)	Range of Test Results	Total Samples	Violation	Typical Sources
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Fluoride	4.0 ppm	4.0 ppm	Low: 0.895 ppm High: 0.895 ppm	1*	No	* Water: additive which reduces tooth decay
Haloacetic Acids (HAAs)	10 ppb	N/A	Low: 2.74 ppb High: 2.74 ppb	1	No	* Leaching of natural mineral deposits
Trihalo-methanes (THMs)	90 ppb	N/A	No Detect	1	No	* By-products of drinking water chlorination
Unregulated Contaminants - Monitored by EPA to determine if future regulations are warranted.						
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Haloacetic Acids (HAA5)	NA	NA	Low: 1.8 ppm High: 1.8 ppm	1*	No	* Leaching of natural mineral deposits
HAAs (HAA5)	NA	NA	Low: 5.4 ppm High: 5.4 ppm	1*	No	* Leaching of natural mineral deposits
HAAs (HAA5)	NA	NA	Low: 1.9 ppm High: 1.9 ppm	1*	No	* Leaching of natural mineral deposits
Potassium	NA	NA	Low: 1.4 ppm High: 1.4 ppm	1*	No	* Leaching of natural mineral deposits
Selenium	NA	NA	Low: 1.8 ppm High: 1.8 ppm	1*	No	* Leaching of natural mineral deposits
Sulfate	NA	NA	Low: 5.6 ppm High: 5.6 ppm	1*	No	* Leaching of natural mineral deposits
Total Hardness	NA	0	Low: 0.4 ppm High: 4.0 ppm	4*	No	* Leaching of natural mineral deposits

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Sincerely,  
**Todd "Mike" Kiefer, President**