

What is a Consumer Confidence Report (CCR)?

We proudly present our Annual Water Quality Report, also referred to as a CCR. CCRs provide customers with important information regarding the quality of their drinking water. They let customers know what contaminants, if any, were detected in their drinking water, as well as associated potential health effects. We are pleased to report the results of the laboratory testing of your drinking water during the calendar year of 2024. For your information, we have compiled a list of tables showing the testing of your drinking water during 2024.

Our Mission

Central States Water Resources (CSWR) is working to bring safe, reliable, and environmentally responsible water resources to every community in the U.S.

Our Vision

CSWR is transforming how water utilities work by using technology and innovation to quickly assess and invest in reliable infrastructure that meets or exceeds stringent state and federal safety standards, ensuring all communities across the U.S. have access to safe, clean and reliable water resources while protecting the aquifers, lakes, rivers and streams that are essential to our world.



Name
Address Line 1
Address Line 2



Lake Royale Subdivision
PWS ID NC0235108
Annual Water Quality
Report
2024

ATTENTION: Landlords and Apartment Owners!
Please share a copy of this notice with your tenants. It includes important information about their drinking water quality.

2024 ANNUAL DRINKING WATER QUALITY REPORT

We are pleased to present our Annual Drinking Water Quality Report to you covering the period from January 1, 2024 to December 31, 2024. This report is a summary of the quality of the water we provide to our customers. The analysis was made by using the data from the most recent U.S. Environmental Protection Agency (EPA) required tests. We hope this information helps you become more knowledgeable about what's in your drinking water.

Where Does Our Drinking Water Come From?

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. Your water source: The water that is used by this system is surface water purchased from the Franklin County Water & Sewer who purchase their water from the Town of Franklinton, Henderson – Kerr Lake Reg Water, the Town of Louisburg, and the City of Raleigh.

What Contaminants Can Be In Our Drinking Water?

As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include:

- **Microbial** contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- **Inorganic** contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- **Pesticides and herbicides**, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
- **Organic** chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.
- **Radioactive** contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

Am I at Risk?

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Special Health Information

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/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

Lead and Drinking Water

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. CSWR-North Carolina is responsible for providing high quality drinking water and removing lead pipes, but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, CSWR-North Carolina. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <http://www.epa.gov/safewater/lead>

PWS ID#: NC0235108





All Drinking Water May Contain Contaminants

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 water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA Safe Drinking Water Hotline (800-426-4791).

How to Participate

Protecting drinking water at its source is an important part of the process to treat and deliver high quality water. It takes a community effort to protect shared resources. This includes utilities, businesses, residents, government and non-profit organizations.

What can you do?

-  Properly dispose of pharmaceuticals, household chemicals, oils and paints.
-  Clean up after your pets and limit the use of fertilizers and pesticides.
-  Take part in watershed activities or volunteer outreach programs.
-  Clean up heating or fuel tank leaks with cat litter. Sweep material and seal in bag. Check with local facility for disposal.

Lead Service Line Inventory

To address lead in drinking water, public water systems were required to develop and maintain an inventory of service line materials by Oct 16, 2024. Developing an inventory and identifying the location of lead service lines (LSL) is the first step for beginning LSL replacement and protecting public health. The lead service inventory may be viewed online at: <https://centralstateswaterresources.com/north-carolina-lsl/>

Source Water Assessment

The North Carolina Department of Environmental Quality (DEQ), Public Water Supply (PWS) Section, Source Water Assessment Program (SWAP) conducted assessments for all drinking water sources across North Carolina. The purpose of the assessments was to determine the susceptibility of each drinking water source to Potential Contaminant Sources (PCS). The relative susceptibility rating of each source for Lake Royale Subdivision was determined by combining the contaminant rating (number and location of PCSs within the assessment area) and the inherent vulnerability rating. The assessment findings are summarized in the table below:

Susceptibility of Sources to Potential Contaminant Sources (PCSs)			
Water Wholesaler	Source Name	Susceptibility Rating	SWAP Report Date
Town of Franklinton	Cedar Creek	Moderate	September 2020
	Taylor Creek	Moderate	September 2020
Henderson – Kerr Lake Reg Water	Kerr Lake	Moderate	September 2020
Town of Louisburg	Tar River	Higher	September 2020
City of Raleigh	Falls of Neuse	Higher	September 2020
	Lake Benson	Higher	September 2020

If you have any questions about the SWAP, please call Source Water Assessment staff at 919-707-9098.

The tables listing all the drinking water contaminants that our providers have detected in the last round of sampling for each contaminant group can be found on their respective webpages. The links are provided here:

Franklin County NC0235030:
<https://cms9files.revize.com/franklincountync/2024%20CCR%20NC%200235030%20for%20website.pdf>

Franklinton NC0235010
<https://cms9files.revize.com/franklincountync/Public%20Utilities/2024%20CCR%20NC%200235010%20for%20website.pdf>

Henderson NC0291010
[https://webgen1files1.revize.com/hendnc/Documents/Departments/Public%20Utilities/Kerr%20Lake%20Regional%20Water%20System/Consumer%20Confidence%20Reports/2024%20CCR-Henderson%20Kerr%20Lake%20\(002\).pdf](https://webgen1files1.revize.com/hendnc/Documents/Departments/Public%20Utilities/Kerr%20Lake%20Regional%20Water%20System/Consumer%20Confidence%20Reports/2024%20CCR-Henderson%20Kerr%20Lake%20(002).pdf)

Louisburg NC0235015
<https://townoflouisburg.org/wp-content/uploads/2025/03/2024-Annual-Drinking-Water-Quality-CCR-FINAL-TO-PUBLICFRANKLIN-CO.pdf>

City of Raleigh NC03092010
<https://cityofraleigh0drupal.blob.core.usgovcloudapi.net/drupal-prod/COR25/2024CCR.pdf>

2024 Water Quality Test Results								
Lake Royale NC0235108								
Disinfectants	Violation Y or N	Running Annual Average (RAA)	Range of levels detected (Low-High)	MRDL	MRDLG		Sample Date	Likely Source of Contamination
Chlorine (ppm)	N	0.48	0.02-0.99	4	4		2024	Water additive to control microbes.
Chloramine (ppm)	N	0.29	0.17-0.41	4	4		2024	Water additive to control microbes.
Disinfection Byproduct	Violation Y or N	Range of levels detected (Low-High)	Your Water	MCL	MCLG		Sample Date	Likely Source of Contamination
TTHM (ppb)	N	40 - 68	56	80	N/A		2024	Byproduct of drinking water disinfection
HAA5 (ppb)	N	30 - 35	25	60	N/A		2024	Byproduct of drinking water disinfection
Lead and Copper	Violation Y or N	90th Percentile	Number of Samples Exceeding AL	Range	AL	MCLG	Sample Date	Likely Source of Contamination
Copper [tap water] (ppm)	N	0.0	0	0 - 0.1	1.3	1.3	9/20/2022 - 9/27/2022	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
Lead [tap water] (ppb)	N	0	1	0 - 16	15	0	9/20/2022 - 9/27/2022	Corrosion of household plumbing systems; Erosion of natural deposits.

2024 Violations			
Violation Type	Explanation, Health Effects	Time Period	Corrective Actions
Chlorine: Monitoring, Routine (DBP), Major	We failed to failed to monitor for disinfectant residuals or disinfection byproducts (like TTHMs or HAAs) at the required time and frequency. We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards. During [compliance period], we did not monitor or test for [contaminant(s)], and therefore cannot be sure of the quality of your drinking water during that time.	July - Dec 2024	During the permitted collection time, Red Bird UOC had a voluntary change with our contracted laboratory. During the transition, miscommunication led to the missed sample analysis. Moving forward, all permitted analysis will be digitally tracked to ensure completion. Since the discrepancy, analysis has been completed and shown that levels are within the range of compliance.

*Please share this information with other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

Definition of Terms:

Action Level (AL): The concentration of a contaminant, which, if exceeded, triggers treatment or other requirements that a water system must follow.

Action Level Goal (ALG): The level of contaminant in drinking water below which there is no known or expected risk of health. ALGs allow for a margin of safety.

Average (Avg): Regulatory compliance with some MCLs are based on a running annual average of monthly samples.

Level 1 Assessment: A study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

Level 2 Assessment: A very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occassions.

Maximum Contaminant Level (MCL): 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 (MCLG): 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 the addition of a disinfectant is necessary for control of microbial contaminants.

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

Million fibers per Liter (MFL): A measure of asbestos.

Millirems per Year (MREM): A measure of radiation absorbed by the body.

Not Applicable (NA): Sampling was not completed by regulation or was not required.

Not Detected (ND): Not detectable at reporting limit.

Nephelometric Turbidity Units (NTU): Measure of clarity or turbidity of the water.

Picocuries per liter (pCi/L): Measure of the natural rate of disintegration of radioactive contaminants in water.

Parts per million (ppm): One part substance per million parts water or milligram per liter (mg/l).

Parts per quadrillion (ppq): Parts per quadrillion, or picograms pet liter (pg/L).

Parts per trillion (ppt): One part substance per trillion parts water or nanograms per liter (ng/L).

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.