

2025 Annual Drinking Water Quality Report City of Goldsboro

Water System Number: NC04-96-010



Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien.

Introduction

We are pleased to present to you this year's Annual Drinking Water Quality Report. This report is a snapshot of last year's water quality. Included are details about your source(s) of water, what it contains, and how it compares to standards set by regulatory agencies. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water and to providing you with this information because informed customers are our best allies. **If you have any questions about this report or concerning your water, please contact Bert Sherman at 919-735-3329. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held in the Council Chambers on the second floor of City Hall, unless otherwise posted.**

What EPA Wants You to Know

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 Environmental Protection Agency's Safe Drinking Water Hotline (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 (800-426-4791).

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and 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 stormwater 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 stormwater 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 stormwater runoff, and septic systems

Radioactive Contaminants: which can be naturally-occurring or be the result of oil and gas production and mining activities.

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.

Lead in 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. City of Goldsboro 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, contact **Public Utilities at goldsborowater@goldsboronc.gov**. 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>.

We have been working to identify service line materials throughout the water system and prepared an inventory of all service lines in our water system. To access this inventory, <https://nc-goldsboro.hub.arcgis.com/documents/43d09adcf9e54036a10771f75536bf7e/explore>.

When You Turn on Your Tap, Consider the Source

The water that is used by this system is **Source** water that is taken from the Neuse River. We also have an alternate water supply, the Little River, which was not used in 2025

Source Water Assessment Program (SWAP) Results

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 (well or surface water intake) to Potential Contaminant Sources (PCSs). The results of the assessment are available in SWAP Assessment Reports that include maps, background information and a relative susceptibility rating of Higher, Moderate or Lower.

The relative susceptibility rating of each source for **City of Goldsboro** was determined by combining the contaminant rating (number and location of PCSs within the assessment area) and the inherent vulnerability rating (i.e., characteristics or existing conditions of the well or watershed and its delineated assessment area). The assessment findings are summarized in the table below:

Susceptibility of Sources to Potential Contaminant Sources (PCSs)

Source Name	Susceptibility Rating	SWAP Report Date
Neuse River	High	Sept. 10, 2020

The complete SWAP Assessment report for **City of Goldsboro** may be viewed on the Web at: <https://www.ncwater.org/?page=600> Note that because SWAP results and reports are periodically updated by the PWS Section, the results available on this website may differ from the results that were available at the time this CCR was prepared. If you are unable to access your SWAP report on the web, you may mail a written request for a printed copy to: Source Water Assessment Program – Report Request, 1634 Mail Service Center, Raleigh, NC 27699-1634, or email requests to swap@deq.nc.gov. Please indicate your system name, number, and provide your name, mailing address and phone number. If you have any questions about the SWAP report, please contact the Source Water Assessment staff by phone at (919) 707-9098.

It is important to understand that a susceptibility rating of “higher” does not imply poor water quality, only the system’s potential to become contaminated by PCSs in the assessment area.

Help Protect Your Source Water

We ask that all our customers help us protect our water resources. In March 2001, Goldsboro instituted a citywide Stormwater Management Program to improve water quality in the Neuse River Basin. Everyone can help in this effort to provide clean water for the citizens of North Carolina and Goldsboro if they will:

1. Dispose of chemicals, oils, unused fertilizers, old pesticides, and other liquids properly, and do not dump them into storm sewer inlets or ditches. Contact the City's Public Works Department at 919-734-8674 for assistance in disposal.
2. Properly dispose of fats, oils, and greases to prevent sanitary sewer overflows.
3. Fix leaking sanitary sewer pipes on their property, and notify the City's Public Works Department whenever a leaking sanitary sewer pipeline is discovered.
4. Avoid straight piping of roof drains and floor drains to storm sewers and ditches. Roof drains should discharge directly onto grassed areas, and floor drains should be connected to the sanitary sewer. Contact the City's Public Works Department for assistance in correcting any problems.
5. Limit the use of pesticides and fertilizers on yards, and avoid application just prior to rain events so that a storm does not wash the pesticides and fertilizers into the storm sewer system.
6. Clean up grass clippings and yard waste and dispose of them properly, or deposit them into a mulch pile for use in gardens and flower beds.
7. Report any non-stormwater discharge (oil foam, chemicals, sanitary waste, etc.) that have entered inlets, storm sewers or ditches to the City of Goldsboro's Illegal Discharge Hotline at 919-580-4369.

Learn More About How We Work For You

We are committed to providing clean, safe drinking water to our customers every day, no matter what. We're passionate about our jobs, and we'd love to tell you more about what we do. We offer tours at our Water Treatment Plant at 1201 Jordan Blvd, Water Reclamation Facility at 714 Arrington Bridge Rd and the Compost Facility at 200 Westbrook Road. We are also happy to visit your school or organization to speak to your group.

For more information about facility tours or presentations, contact Robert Sherman, Public Utilities Director, at 919-735-3329

Be Informed

We want our valued customers to be informed about their water utility. The Goldsboro City Council makes decisions regarding our utilities system. If you want to learn more, please attend any of the regularly scheduled meetings the City of Goldsboro holds public meetings on the first and third Monday of each month unless otherwise posted. The public meetings are held at 5:30 p.m. in the Council Chambers on the second floor of City Hall, unless otherwise posted.

Did You Know

Did you know that homeowners are responsible for water and sewer repairs from the property line to their home? For water repairs, the City's responsibility ends at the water meter. When a customer has a sewer issue, a plumber will often tell them that the problem is in the street. City crews can only check the main line if customers have a sewer cleanout on the right of way. If they have a cleanout on the ROW, Public Utilities will maintain it. We can only inspect a line with a camera if we have outside access and the line is open. If you're unsure of the source of your problem, give us a call and we'll help you pinpoint the issue.

Important Drinking Water Definitions:

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

Herbicide – Any chemical(s) used to control undesirable vegetation.

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.

Parts per million (ppm) or Milligrams per liter (mg/L) - One part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter (ug/L) - One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Pesticide – Generally, any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any pest.

Locational Running Annual Average (LRAA) – The average of sample analytical results for samples taken at a particular monitoring location during the previous four calendar quarters under the Stage 2 Disinfectants and Disinfection Byproducts Rule.

Maximum Residual Disinfection Level (MRDL) – The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfection 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.

Nephelometric Turbidity Unit (NTU) - Nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

Not-Applicable (N/A) – Information not applicable/not required for that particular water system or for that particular rule.

Non-Detects (ND) - Laboratory analysis indicates that the contaminant is not present at the level of detection set for the particular methodology used.

Parts per trillion (ppt) or Nanograms per liter (nanograms/L) - One part per trillion corresponds to one minute in 2,000,000 years, or a single penny in \$10,000,000,000.

Picocuries per liter (pCi/L) - Picocuries per liter is a measure of the radioactivity in water.

Running Annual Average (RAA) – The average of sample analytical results for samples taken during the previous four calendar quarters.

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

Variations and Exceptions – State or EPA permission not to meet an MCL or Treatment Technique under certain conditions.

Water Quality Data Tables of Detected Contaminants

We routinely monitor for over 150 contaminants in your drinking water according to Federal and State laws. The tables below list all the drinking water contaminants that we detected in the last round of sampling for each particular contaminant group. The presence of contaminants does not necessarily indicate that water poses a health risk. **Unless otherwise noted, the data presented in this table is from testing done January 1 through December 31, 2025.** The EPA and the State allow us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, is more than one year old.

Lead and Copper Contaminants

The table summarizes our most recent lead and copper tap sampling data. If you would like to review the complete lead tap sampling data, please email us at goldsborrowater.nc.gov .							
Contaminant (units)	Sample Date	Your Water (90 th Percentile)	Number of sites found above the AL	Range Low High	MCLG	AL	Likely Source of Contamination
Copper (ppm) (90 th percentile)	2024	.163	0	<.05 - .21	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits
Lead (ppb) (90 th percentile)	2024	0	0	<3 - 4	0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits

Stage 2 Disinfection Byproducts (DBPs) Total Trihalomethanes (TTHM) and Haloacetic Acids (five) (HAA5)

Disinfection Byproduct	Year Sampled	MCL Violation	Your Water (Highest LRAA)	Range Low High	MCLG	MCL	Likely Source of Contamination
TTHM (ppb)	2025	N	Site B01 57	25 - 81	N/A	80	Byproduct of drinking water disinfection
HAA5 (ppb)	2025	N	Site B02 50	28 - 62	N/A	60	Byproduct of drinking water disinfection

Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer.

Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

Disinfectant Residuals Summary

	MRDL Violation Y/N	Your Water (RAA)	Range Low High	MRDLG	MRDL	Likely Source of Contamination
Chlorine (ppm)	N	1.42	.24 – 2.43	4	4.0	Water additive used to control microbes
Chloramines (ppm)	N	2.62	1.07 – 3.78	4	4.0	Water additive used to control microbes

Nitrate/Nitrite Contaminants

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water	Range Low High	MCLG	MCL	Likely Source of Contamination
Nitrate (as Nitrogen) (ppm)	2/2025	N	<10	NA	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Nitrite (as Nitrogen) (ppm)	2/2025	N	<1	NA	1	1	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits

Radiological Contaminants

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water (RAA)	Range Low High	MCLG	MCL	Likely Source of Contamination
Beta/photon emitters (pCi/L)	2/2025	N	5.5	NA	0	50 *	Decay of natural and man-made deposits
* Note: The MCL for beta/photon emitters is 4 mrem/year. EPA considers 50 pCi/L to be the level of concern for beta particles.							

Inorganic Contaminants

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water	Range Low High	MCLG	MCL	Likely Source of Contamination
Fluoride (ppm)	2/2025	N	.60	NA	4	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories

Synthetic Organic Chemical (SOC) Contaminants Including Pesticides and Herbicides

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water	Range Low High	MCLG	MCL	Likely Source of Contamination
Dalapon (ppb)	2025	N	.001160	ND - .001160	200	200	Runoff from herbicide used on rights of way

Turbidity*

Contaminant (units)	Treatment Technique (TT) Violation Y/N	Your Water	MCLG	Treatment Technique (TT) Violation if:	Likely Source of Contamination
Turbidity (NTU) - Highest single turbidity measurement	N	0.5 NTU	N/A	Turbidity > 1 NTU	Soil runoff
Turbidity (%) - Lowest monthly percentage (%) of samples meeting turbidity limits	N	99.46%	N/A	Less than 95% of monthly turbidity measurements are ≤0.3 NTU	

* Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system. The turbidity rule requires that 95% or more of the monthly samples must be less than or equal to 0.3 NTU.

Total Organic Carbon (TOC)

Contaminant (units)	TT Violation Y/N	Your Water (lowest RAA)	Range Monthly Removal Ratio Low - High	MCLG	Treatment Technique (TT) violation if:	Likely Source of Contamination
Total Organic Carbon (TOC) Removal Ratio (no units)	N	1.14	1.11 – 1.50	N/A	Removal Ratio RAA <1.00 and alternative compliance criteria was not met	Naturally present in the environment

Unregulated Contaminants Monitoring Regulation (UCMR)

Contaminant (units)	Sample Date	Your Water (average)	Range	
			Low	High
PFOS (ppt)	2025	5.8	4.9	6.4
PFOA (ppt)	2025	4.77	4.0	5.6
PFBS (ppt)	2025	2.63	2.2	3.3
PFNA (ppt)	2025	1.3	1.3	1.3
HFPO-DA (GenX) (ppt)	2025	1.63	1.6	1.7
PFHxS (ppt)	2025	1.87	1.3	2.2

In November 2024, City of Goldsboro began the EPA's mandatory quarterly testing for UCMR5 and completed in August 2025. UCMR5 is composed of 29 PFAS compounds and Lithium. The EPA has finalized maximum contaminant limits for these six PFAS compounds that become enforceable in 2029.

Other Miscellaneous Water Characteristics Contaminants

Contaminant (units)	Sample Date	Your Water	Range Low High	SMCL
Manganese (ppm)	2/2025	.026	NA	0.05
Sodium (ppm)	2/2025	33.8	NA	N/A
Sulfate (ppm)	2/2025	35	NA	250
pH	2/2025	7.4	NA	6.5 to 8.5

The PWS Section requires monitoring for other misc. contaminants, some for which the EPA has set national secondary drinking water standards (SMCLs) because they may cause cosmetic effects or aesthetic effects (such as taste, odor, and/or color) in drinking water. The contaminants with SMCLs normally do not have any health effects and normally do not affect the safety of your water.