

# ANNUAL WATER QUALITY REPORT

Reporting Year 2025



*Presented By*  
**North Springs  
Improvement District**

PWS ID#: 4064390

## Our Commitment

We are pleased to present to you this year's annual water quality report. This report is a snapshot of last year's water quality covering all testing performed between January 1 and December 31, 2025. Included are details about your sources 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 providing you with this information because informed customers are our best allies.

## Where Does My Water Come From?

In 2025, 1.6 billion gallons of water was distributed to the customers of the North Springs Improvement District. The district's water sources are the Biscayne Aquifer and the Floridan Aquifer, both underground geological formations. The Biscayne Aquifer has been a reliable source of high-quality water since the early 1920s. Water from the aquifer is withdrawn and pumped to the water treatment plant by 11 raw water wells located within the district.

In 2023, North Springs Improvement District expanded the nanofiltration treatment plant and added reverse osmosis, allowing it to have two of the most effective filtration technologies. The water is then disinfected with chlorine and ammonia to remove bacteria. Further expansion has allowed the district to treat water from both the Biscayne Aquifer and the brackish waters of the Floridan Aquifer, separately or blended, and treat 10 million gallons per day. This low-pressure technology allows the district to fulfill its future demands and further improve its water quality by providing long-lasting disinfectant protection without objectionable taste and odor.

## Source Water Assessment

In 2025, the Florida Department of Environmental Protection (FDEP) performed a source water assessment on our system. The assessment was conducted to provide information about any potential sources of contamination in the vicinity of our wells. Three potential sources of contamination were identified for this system, with low susceptibility levels. The assessment results are available on the FDEP Source Water Assessment and Protection Program website at [prodapps.dep.state.fl.us/swapp](http://prodapps.dep.state.fl.us/swapp), or they can be obtained by calling the NSID laboratory at (954) 752-0400.

## Important Health Information

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised 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. U.S. Environmental Protection Agency (U.S. EPA)/Centers for Disease Control and Prevention (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) or [epa.gov/safewater](http://epa.gov/safewater).



## Why We Test So Often

Drinking water is one of the most closely monitored resources in the United States. Water systems regularly test for bacteria, disinfectants, metals, organic chemicals, radioactive substances, and many other contaminants. Some tests are performed daily, while others are conducted weekly, monthly, quarterly, or annually, depending on regulatory requirements and system size. Microbiological testing for bacteria such as coliforms ensures that disinfection is working properly. Turbidity monitoring confirms effective filtration. Chemical testing verifies that treatment processes remain optimized. All certified laboratories must meet strict quality assurance requirements to ensure accurate results. When results approach regulatory limits, corrective actions are taken immediately.



## Community Participation

The Board of Supervisors of North Springs Improvement District (NSID) will hold its meetings for fiscal year 2026 at 4:00 p.m. on the first Wednesday of each month in the district office at 9700 Northwest 52nd Street, Coral Springs.

## Microplastics in Drinking Water

Microplastics are tiny plastic particles smaller than a grain of rice that are now being detected in oceans, rivers, soils, and even the air. Scientists have also identified microplastics in drinking water supplies worldwide. These particles come from the breakdown of larger plastic products, synthetic clothing fibers, tire wear, and many everyday consumer items. Because plastics degrade slowly, microplastics are becoming increasingly widespread in the environment.

Modern water treatment processes, including filtration and sedimentation, remove a large portion of microplastics from source water. Advanced treatments such as granular activated carbon and membrane filtration can further reduce microplastic levels.

Consumers interested in minimizing microplastic exposure can use certified drinking water filters, reduce single-use plastic consumption, and support responsible plastic recycling and waste reduction efforts.

**QUESTIONS?** For more information about this report, or for any questions relating to your drinking water, please call the Water Department at (954) 752-0400 or email [rodcd@nsidfl.gov](mailto:rodcd@nsidfl.gov). Visit us online at [nsidfl.gov](http://nsidfl.gov).

## Definitions

**90th %ile:** The levels reported for lead and copper represent the 90th percentile of the total number of sites tested. The 90th percentile is equal to or greater than 90% of our lead and copper detections.

**AL (Action Level):** 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.

**MCL (Maximum Contaminant Level):** 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.

**MCLG (Maximum Contaminant Level Goal):** 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.

**MRDL (Maximum Residual Disinfectant Level):** 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.

**MRDLG (Maximum Residual Disinfectant Level Goal):** 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.

**NA:** Not applicable.

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

**ppb (parts per billion):** One part substance per billion parts water (or micrograms per liter).

**ppm (parts per million):** One part substance per million parts water (or milligrams per liter).

## BY THE NUMBERS



82

The average number of gallons of water an American uses per day.



27%

The percent of household water use attributable to toilets.



700

The average number of gallons that a household can save each year with water-efficient fixtures.



50-100

The typical design lifespan of underground drinking water pipes, in years.



<1%

The percent of Earth's water that is readily available as fresh drinking water.

## Q&A

### Why can tap water have a taste?

Taste in drinking water is usually related to naturally occurring minerals, disinfectants, or seasonal changes in source water. While these characteristics may affect taste, they do not typically indicate a health risk.

### Why is water sometimes called the “original energy drink”?

Water helps regulate body temperature, supports digestion, and keeps joints moving—without sugar, calories, or caffeine.

### Can weather affect drinking water quality?

Heavy rain, drought, or seasonal changes can influence source water conditions. Water systems adjust treatment processes as needed to maintain water quality during changing environmental conditions.

### Why is maintaining water infrastructure important?

Pipes, pumps, and treatment facilities are critical for delivering safe drinking water. Regular maintenance and upgrades help prevent leaks, breaks, and service disruptions.

### What can customers do to help protect water quality?

Customers can help by reporting leaks, avoiding cross-connections, maintaining household plumbing, and staying informed through their annual water quality report.

<sup>1</sup>This table summarizes our most recent lead and copper tap sampling data. If you would like to review the complete lead tap sampling data, please contact the NSID Water Department at (954) 752-0400 or [rodc@nsidfl.gov](mailto:rodc@nsidfl.gov). A total of 30 samples were collected in 2023 from the distribution system based on a monitoring plan. Results are reported as the 90th percentile value of the most recent round of sampling. Our public water system's requirements for monitoring for lead and copper and water quality parameters were reduced to every three years beginning in 2023.

## Safeguard Your Drinking Water

Protection of drinking water is everyone's responsibility. You can help protect your community's drinking water source in several ways:

- Eliminate excess use of lawn and garden fertilizers and pesticides – they contain hazardous chemicals that can reach your drinking water source.
- Pick up after your pets.
- If you have your own septic system, properly maintain it to reduce leaching to water sources, or consider connecting to a public water system.
- Dispose of chemicals properly; take used motor oil to a recycling center.
- Volunteer in your community. Find a watershed or wellhead protection organization in your community and volunteer to help. If there are no active groups, consider starting one. Use U.S. EPA's Adopt Your Watershed to locate groups in your community.
- Organize a storm drain stenciling project with others in your neighborhood. Stencil a message next to the street drain reminding people "Dump No Waste – Drains to River" or "Protect Your Water." Produce and distribute a flyer for households to remind residents that storm drains dump directly into your local water body.



## Substances That Could Be in Water

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, 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 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 the result of oil and gas production and mining activities.

To ensure that tap water is safe to drink, the U.S. EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

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 Safe Drinking Water Hotline at (800) 426-4791.

## How Long Can I Store Drinking Water?

The disinfectant in drinking water will eventually dissipate, even in a closed container. If that container housed bacteria prior to filling up with the tap water, the bacteria may continue to grow once the disinfectant has dissipated. Some experts believe that water could be stored up to six months before needing to be replaced. Refrigeration will help slow the bacterial growth.

## Lead in Home Plumbing

Lead can cause serious health effects in people of all ages, especially pregnant people, infants (both formula-fed and breastfed), and young children. Lead in drinking water primarily comes from materials and parts used in service lines and home plumbing. NSID is responsible for providing high-quality drinking water and removing lead pipes, but it cannot control the variety of materials used in the plumbing in your home. Because lead levels may vary over time, lead exposure is possible even when your tap sampling results do not detect lead at one point in time. You can help protect yourself and your family by identifying and removing lead-containing materials in your home's plumbing and taking steps to reduce your family's risk. Using a filter certified by an American National Standards Institute-accredited certifier to reduce lead is effective in reducing lead exposures. Follow the instructions provided with the filter to ensure it is used properly. Use only cold water for drinking, cooking, and making baby formula. Boiling does not remove lead from water.

Before using tap water for drinking, cooking, or making baby formula, flush your pipes for several minutes. You can do this by running your tap, taking a shower, or doing laundry or a load of dishes. If you have a lead service line or a galvanized service line requiring replacement, you may need to flush your pipes for a longer period. If you are concerned about lead and wish to have your water tested, you can contact NSID at (954) 752-0400. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at [epa.gov/safewater/lead](http://epa.gov/safewater/lead).

To address lead in drinking water, public water systems were required to develop and maintain an inventory of service line materials by October 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. Our system has no LSLs, galvanized requiring replacement, or lead status unknown service lines.

We were able to use municipal codes and construction dates to show that all service lines were constructed after lead was banned in the system (i.e., the system never had LSLs) and to positively identify nonlead materials (e.g., copper or polyvinyl chloride) for all service lines through historical records, field investigations, or both. We were able to use a combination of evidence-based records, methods, and techniques. Please contact us at (954) 752-0400 if you would like more information about the inventory or any lead sampling that has been done.

## Table Talk

Get the most out of the Testing Results data table with this simple suggestion. In less than a minute, you will know all there is to know about your water:

For each substance listed, compare the value in the Level Detected column against the value in the MCL (or AL or SMCL) column. If the Level Detected value is smaller, your water meets the health and safety standards set for the substance.

Verify that there were no violations of the state or federal standards in the Violation column. If there was a violation, you will see a detailed description of the event in this report.

Date Sampled will show on which date the substance was detected. If multiple samples are taken over a period of time, the column will show the range of different sample dates.

The Range column displays the lowest and highest sample readings. If there is an NA showing, that means that only a single sample was taken to test for the substance (assuming there is a reported value in the Level Detected column).

If there is sufficient evidence to indicate from where the substance originates, it will be listed under Likely Source.

## Disinfection Byproducts Explained

Disinfection byproducts, commonly called DBPs, form when disinfectants such as chlorine react with naturally occurring organic matter in water. Two of the most commonly monitored DBPs are Total Trihalomethanes (TTHMs) and Haloacetic Acids (HAA5). While disinfectants play a vital role in protecting public health by killing harmful bacteria and viruses, these reactions can produce small amounts of DBPs. Long-term exposure to elevated levels of DBPs has been associated with increased health risks, which is why strict federal standards regulate these substances. We carefully balance the need for effective disinfection with the control of DBP formation. This includes optimizing treatment processes, managing natural organic matter, maintaining proper disinfectant levels, and adjusting system operations seasonally. Customers can help reduce DBP exposure at home by allowing tap water to run briefly before use, using certified carbon filters, and refrigerating drinking water to allow some DBPs to dissipate. Disinfection remains one of the most important public health achievements in modern history. Water utilities continuously work to ensure that water is both microbiologically safe and compliant with DBP regulations.

“Water is the driving force of all nature.”

—Leonardo da Vinci

## NSID Partners with U.S. EPA's WaterSense Program to Promote Water Efficiency

NSID has teamed with the U.S. EPA's WaterSense program to help consumers and businesses save water for future generations and reduce costs on their utility bills. WaterSense aims to decrease indoor and outdoor water use through water-efficient products and water-saving practices. The program encourages customers to look for products labeled WaterSense, which are independently certified to use 20 percent less water and perform as well as or better than the standard models. WaterSense also promotes water-saving techniques and practices that reduce stress on water supplies. Since the program's inception in 2006, WaterSense has helped consumers save trillions of gallons of water and billions of dollars in water and energy bills. You can read more about water-saving measures and the program's goals at [epa.gov/watersense](http://epa.gov/watersense) or on Instagram @nsid\_district.



## What Are PFAS?

Per- and polyfluoroalkyl substances (PFAS) are a group of manufactured chemicals used worldwide since the 1950s to make fluoropolymer coatings and products that resist heat, oil, stains, grease, and water. During production and use, PFAS can migrate into the soil, water, and air. Most PFAS do not break down; they remain in the environment, ultimately finding their way into drinking water. Because of their widespread use and their persistence in the environment, PFAS are found all over the world at low levels. Some PFAS can build up in people and animals with repeated exposure over time.



The most commonly studied PFAS are perfluorooctanoic acid (PFOA) and perfluorooctane sulfonic acid (PFOS). PFOA and PFOS have been phased out of production and use in the United States, but other countries may still manufacture and use them.

Some products that may contain PFAS include:

- Some grease-resistant paper, fast food containers/wrappers, microwave popcorn bags, pizza boxes
- Nonstick cookware
- Stain-resistant coatings used on carpets, upholstery, and other fabrics
- Water-resistant clothing
- Personal care products (shampoo, dental floss) and cosmetics (nail polish, eye makeup)
- Cleaning products
- Paints, varnishes, and sealants

Even though recent efforts to remove PFAS have reduced the likelihood of exposure, some products may still contain them. If you have questions or concerns about products you use in your home, contact the Consumer Product Safety Commission at (800) 638-2772. For a more detailed discussion on PFAS, please visit [bit.ly/3Z5AMm8](http://bit.ly/3Z5AMm8).

## Should I be Concerned About What I'm Pouring Down my Drain?

If your home is served by a sewage system, your drain is an entrance to your wastewater disposal system and eventually to a drinking water source. Consider purchasing environmentally friendly home products whenever possible, and never pour hazardous materials (e.g., car engine oil) down the drain. Check with your health department for more information on proper disposal methods.

## Test Results

Our water is monitored for many different kinds of substances on a very strict sampling schedule, and the water we deliver must meet specific health standards. Here, we only show those substances that were detected in our water (a complete list of all our analytical results is available upon request). Remember that detecting a substance does not mean the water is unsafe to drink; our goal is to keep all detects below their respective maximum allowed levels.



The state recommends monitoring for certain substances less than once per year because the concentrations of these substances do not change frequently. In these cases, the most recent sample data is included, along with the year in which the sample was taken.

We have been monitoring for unregulated contaminants (UCs) as part of a study to help the U.S. EPA determine the occurrence in drinking water of UCs and whether these contaminants need to be regulated. For example, we participated in the fifth stage of the U.S. EPA's Unregulated Contaminant Monitoring Rule (UCMR5) program by performing additional tests on our drinking water. In 2023, we sampled for the first and second part of the UCMR5 monitoring as prescribed by the U.S. EPA. No detectable levels of per- and polyfluoroalkyl substances (PFAS) or lithium were found in the laboratory results for our water. If you would like more information on the U.S. EPA's Unregulated Contaminant Monitoring Rule, please call the Safe Drinking Water Hotline at (800) 426-4791.

### PRIMARY REGULATED CONTAMINANTS

#### Inorganic Contaminants

CONTAMINANT AND UNIT OF MEASUREMENT	MCL VIOLATION (YES/NO)	DATES OF SAMPLING (MO./YR.)	LEVEL DETECTED	RANGE OF RESULTS	MCLG	MCL	LIKELY SOURCE OF CONTAMINATION
<b>Barium</b> (ppm)	No	04/15/2025	0.00258	NA	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
<b>Fluoride</b> (ppm)	No	04/15/2025	0.101	NA	4	4.0	Erosion of natural deposits; discharge from fertilizer and aluminum factories; water additive which promotes strong teeth when at the optimum level of 0.7 ppm
<b>Sodium</b> (ppm)	No	04/15/2025	13.0	NA	NA	160	Saltwater intrusion; leaching from soil

### STAGE 1 DISINFECTANTS AND DISINFECTION BY-PRODUCTS

CONTAMINANT AND UNIT OF MEASUREMENT	MCL VIOLATION (YES/NO)	DATES OF SAMPLING (MO./YR.)	LEVEL DETECTED	RANGE OF RESULTS	MCLG OR [MRDLG]	MCL OR [MRDL]	LIKELY SOURCE OF CONTAMINATION
<b>Chloramines</b> (ppm)	No	01/25-12/25	3.63	1.0–4.0	[4]	[4.0]	Water additive used to control microbes

### STAGE 2 DISINFECTANTS AND DISINFECTION BY-PRODUCTS

CONTAMINANT AND UNIT OF MEASUREMENT	MCL VIOLATION (YES/NO)	DATES OF SAMPLING (MO./YR.)	LEVEL DETECTED	RANGE OF RESULTS	MCLG	MCL	LIKELY SOURCE OF CONTAMINATION
<b>Haloacetic Acids [HAA5s]</b> (ppb)	No	06/23/2025	1.7	1.2–1.7	NA	60	By-product of drinking water disinfection
<b>Total Trihalomethanes [TTHMs]</b> (ppb)	No	06/23/2025	0.86	0.58–0.86	NA	80	By-product of drinking water disinfection

#### Lead and Copper (Tap water samples were collected from sites throughout the community)<sup>1</sup>

CONTAMINANT AND UNIT OF MEASUREMENT	AL EXCEEDANCE (YES/NO)	DATES OF SAMPLING (MO./YR.)	90TH PERCENTILE RESULT	NO. OF SAMPLING SITES EXCEEDING THE AL	MCLG	AL (ACTION LEVEL)	LIKELY SOURCE OF CONTAMINATION
<b>Copper [tap water]</b> (ppm)	No	09/14/2023	0.08030	0	1.3	1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
<b>Lead [tap water]</b> (ppb)	No	09/14/2023	2.51	0	0	15	Corrosion of household plumbing systems; erosion of natural deposits

### SECONDARY CONTAMINANTS

CONTAMINANT AND UNIT OF MEASUREMENT	MCL VIOLATION (YES/NO)	DATES OF SAMPLING (MO./YR.)	HIGHEST RESULT	RANGE OF RESULTS	MCLG	MCL	LIKELY SOURCE OF CONTAMINATION
<b>Sulfate</b> (ppm)	No	4/15/2025	16.1	NA	NA	250	Natural occurrence from soil leaching

