Woodrun Lakes Annual Water Quality Report

Consumer Confidence Report 2025

In order to ensure that tap water is safe to drink, EPA and the Tennessee Department of Environment and Conservation prescribe regulation which limit the number of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection of public health.

The Source of Your Water

Woodrun Lakes is served by two (2) wells that have been declared true ground water. The only treatment required is disinfection. We have approximately 7 miles of line, with 174 connections.

Well head Protection

Water is supplied to the system by underground wells, and each individual must practice due diligence in protecting our water source from contamination by refraining from using any liquids, paints, chemicals, etc. within 750 ft. radius of the well. If you see any questionable materials within this area, please report this immediately.

Protecting Your Water

Availability of a **source water assessment** and a summary of the system's susceptibility to potential sources of contamination. The URL address for Source Water Assessments is: https://www.tn.gov/environment/program-areas/wr-water-resources/water-quality/source-water-assessment.html

Think before you flush! Flushing unused or expired medicines can be harmful to your drinking water. Properly disposing of unused or expired medication helps protect you and the environment. Keep medications out of Tennessee's waterways by disposing in one of our permanent pharmaceutical take back bins. There are over 340 take back bins located across the state in all 95 counties, to find a convenient location please visit: http://tdeconline.tn.gov/rxtakeback

Cross-Connection Contamination poses a risk for any water system at any point in the distribution process. **Woodrun Lakes** takes steps to prevent cross-connection contamination, and the public can as well. 'Backflow' and 'Backpressure' are two main causes of Cross Connection contamination.

1. **Backflow** is when water in your pipes flows back into the water system. If pressure suddenly drops because of heavy usage (fires, broken water main, etc.), then contaminated water Back siphoned into your plumbing system from unprotected cross connections in your home.
2. **Backpressure** is when water is forced backwards into the piping due to a pressure greater than the water pressure found in the distribution system.

Whether indoors or outdoors, a garden hose left in a bucket containing soapy or contaminated water (lawn or pool chemicals in the water) could backflow into your home's water piping, endangering not only your family as well as the community as a whole. This happens via a garden hose to the indoor plumbing into the distribution system.

Each individual has a role in ensuring safe water for yourself as well as your fellow community. The previous example of a cross-connection contamination situation can be avoided if the right steps are taken on the individual level.

Contaminants in Your Water

Drinking water, including bottled water, may reasonably be expected to contain at least small number of contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. For more information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline at (800) 426-4791.

The sources of drinking water (both tap and bottled water) including surface sources and wells. As water travels through the surface of the land or through the ground, it dissolves naturally occurring mineral, and in some cases, radioactive materials and pick up substances resulting from the animals or from human activity.

Microbial Contaminants

Microbial contaminants such as viruses and bacteria which may come from sewage treatment plant, septic systems, agricultural livestock operations and wildlife. Inorganic contaminants such as salt and metals, which can be naturally occurring or result from urban storm runoff, industrial or domestic discharges, oil and gas production, mining or farming.

Pesticides and Herbicides

Pesticides and herbicides which may come from a variety of sources, such as agriculture, urban storm runoff, and residential uses.

Organic Chemical Contaminants

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 runoff, septic systems.

Inorganic Contaminants

Inorganic contaminants such as salts and metals, which may be naturally occurring or results of stormwater runoff, industrial or domestic wastewater discharges, oil, and gas production, mining or farming.

Radioactive Contaminants

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

General Health Notices for Special Situations

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 at (800)-426-4791.

Woodrun Lakes Annual Water Quality Report

Testing Results 2024

Contaminant	Violation Yes/No	Level Found	Range of Detections	Date of Sample	Unit Measurement	MCLG	MCL	Likely source of Contamination
Total Coliform Bacteria RTCR	NO	ND	ZERO	1/10/2024-12/3/2024	mg/l	0	0	Naturally present in the environment.
E.coli Bacteria	NO	ND	ZERO	1/10/2024-12/3/2024	mg/l	0	0	Human or animal wastes
Gross Alpha	NO	0.759	0-2.4	12-12-2016	PCi/L	0	15	Erosion of natural deposits
Combined Radium	NO	0.934	ND/0.8	12-12-2016	PCi/L	0	5	Erosion of natural deposits
Lead	NO	90%=0.9 ppb	<0.5 to 0.9 ppb	7/29/2021	ppb	0	AL-15	Corrosion of household plumbing systems, erosion of natural deposits
Copper	NO	90%= 0.03 ppm	0.0052 to 0.0465 mg/l	8/03/2021	ppm	0	AL-13	Corrosion of household plumbing systems, erosion of natural deposits
Nitrate (as Nitrogen)	NO	ND	0.3 to 1.3	12/13/2024	ppm	1	10	Runoff from fertilizer use, leaching from septic tanks, sewage; erosion of natural deposits
TTHM's Total Trihalomethanes	NO	6.6 ppb	3 to 6.6 ppb	8/13/2024	ppb	N/A	80 ppb	By-product of drinking water chlorination
HAA5 (Haloacetic Acids)	NO	1 ppb	1 ppb	8/13/2024	ppb	N/A	60 ppb	By-product of drinking water chlorination
Chlorine	NO	1.01	0.33-1.51	1/10/2024-12/3/2024	ppm	4	4	Water additive used to control microbes

W a t e r Q u a l i t y D a t a

What does this chart mean?

 MCLG - Maximum Contaminant Level Goal, or 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.

 MCL - Maximum Contaminant Level, or 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. To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

 MRDL: Maximum Residual Disinfectant Level or MRDL: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for the 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.
 AL - Action Level, or the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow.
 Below Detection Level (BDL) - laboratory analysis indicates that the contaminant is not present at a level that can be detected.
 Non-Detects (ND) - laboratory analysis indicates that the contaminant is not present.
 Parts per million (ppm) or Milligrams per liter (mg/l) – explained as a relation to time and money as 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 - explained as a relation to time and money as one part per billion corresponds to one minute in 2,000 years, or a single penny in $10,000,000.
 Picocuries per liter (pCi/L) - picocuries per liter is a measure of the radioactivity in water.
 Millirems per year (mrem/yr) - measure of radiation absorbed by the body.
 Million Fibers per Liter (MFL) - million fibers per liter is a measure of the presence of asbestos fibers that are longer than 10 micrometers.
 MRL – Minimum reporting level
 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.
 TT - Treatment Technique, or a required process intended to reduce the level of a contaminant in drinking water.
 RTCR – Revised Total Coliform Rule. This rule went into effect on April 1, 2016, and replaces the MCL for total coliform with a Treatment Technique Trigger for a system assessment.

Public Participation and Water System Contact Information

What is being done?

Woodrun Lakes has enlisted the assistance of Communities Unlimited to help us with all reporting of the required testing, for our Consumer Confidence Report and posted by July 1st, 2025. Our Board meets the 1st Saturday of each month at 9 am at 30 Clubhouse Dr., Middleton, TN. 38052. All who wish to attend are encouraged to participate in these meetings.

For more information, please contact James Kirk Certified Operator at 731-609-3846 or lizajanepw@yahoo.com

**Please share this information with all the 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. **

This notice is being sent to you by **Woodrun Lakes**. **State Water System ID#: TN-0000446**.
Date distributed: _____.

Iron: Iron occurs naturally in our raw water and occasionally accumulates in the distribution system. Iron shows up as “red” or “rusty” water at your tap. Although you do not want to drink water that is not clear, iron is not considered to be a hazard to your health. We test for iron daily and it is usually around 0 ppm. The aesthetic limit for iron is 0.3 ppm.

Health Effects

Microbiological Contaminants:

Total Coliform. Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.

Fecal coliform/E.coli. Fecal coliforms and E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Microbes in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a special health risk for infants, young children, and people with severely compromised immune systems.

Radioactive Contaminants:

Combined Radium 226/228. Some people who drink water containing radium 226 or 228 more than the MCL over many years may have an increased risk of getting cancer.

Inorganic Contaminants:

Copper. Copper is an essential nutrient, but some people who drink water containing copper more than the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper more than the action level over many years could suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor.

Fluoride. Some people who drink water containing fluoride more than the MCL over many years could get bone disease, including pain and tenderness of the bones. Children may get mottled teeth.

Lead. Infants and children who drink water containing lead more than the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure.

Nitrite. Infants below the age of six months who drink water containing nitrite more than the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue-baby syndrome.

Volatile Organic Contaminants:

TTHMs [Total Trihalomethanes]. Some people who drink water containing trihalomethanes more than 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.

HAA [Haloacetic Acids]. Some people who drink water containing haloacetic acids more than the MCL over many years may have an increased risk of getting cancer.

Federal and State Regulations

Source Water Assessment

The Tennessee Department of Environment and Conservation has prepared a Source Water Assessment Program Report for the untreated water sources. The report assesses susceptibility of untreated water sources to potential contamination. To ensure safe drinking water, all public water systems routinely test their water.
Water sources have been rated as reasonably susceptible, moderately susceptible based on geological factors and human activities in the vicinity of the water source. Our rate is slightly susceptible.

Woodrun Lakes Annual Water Quality Report

An explanation of this program, the Source Water Assessment summaries, susceptibility scoring and overall TDEC report to EPA at https://www.tn.gov/environment/program-areas/wr-water-resources/water-quality/source-water-assessment.html or you may contact **Woodrun Lakes** to obtain copies of specific assessments.

Important 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, person who has undergone organ transplant, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be at risk from infections.

These people should seek advice about drinking water from their healthcare 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.

Drinking Water Containing 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 material and components associated with service lines and home plumbing. **Woodrun Lakes** is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components.

When 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 method, and steps you can take to minimize exposure is available through the Safe Drinking Water Hotline or at http: www.epa.gov/safewater/lead. **0 out of 5 households sampled for lead and copper exceeded the action level.**

Nitrates

Greatest source of nitrates is from fertilizers. In the body, nitrate turns into nitrites. A large concentration causes serious illness of breath and sometimes even death. Nitrate can be removed by reverse osmosis.

Understanding Your Role

With the changing times, our individual role becomes even more critical in preserving safe natural resources for future generations. Active participation and understanding can help ensure protections of our most valued resource.

Detecting Cross Connection

'Backflow' and 'Backsiphonage' are two main causes of Cross Connection contamination.

Backflow is when water in your pipes flows back into the water system. If pressure suddenly drops because of heavy usage (fires, broken water main, etc.) then contaminated water can be siphoned back into your plumbing system from unprotected cross connections in your home.

Weather indoors or outdoors, if a hose is left in a bucket of soapy or uncleaned water could flow backwards into your home water piping causing danger to the health and welfare of your family.

Never, ever connect any piping, connect any water sources to pre-existing mains. Our wells have been approved by TDEC and connection to any other connections would be a violation and direct cross connection. This will result in immediate contamination of the system. Please contact **Woodrun Lakes** if you feel a violation is made.

Flushing the System

We are blessed with groundwater sources and do not face the same challenges as those whose main source is surface water. Although we do not have the difficult process of filtering surface impurities, yet as water travels from source to your home, there are instances where soil, sediments, and other organic particles may become trapped within the pipelines. We routinely flush the lines from designated flushing points, which are throughout the system. As we flush, we watch for possible changes in color which may indicate dirt, rust or other sediments. Residents are encouraged to flush their hot and cold water taps from time to time. Preferably turning all the taps on simultaneously, to achieve the same effect within your homes piping system.

Drought Management

As a result of the preceding years, the TDEC's Division of Water Supply has required each Water System to develop a Drought Management Plan. The Divisions purpose is to maximize the ability of our water systems to support all of its users with effective management, proper planning, and responsiveness, so that the impacts of a drought can be minimized. The Division has defined different stages of drought. Each phase has its set of guidelines to ensure that all the residents of the community will continue to receive the safest water. Failure to comply may result in penalties and fines as outlined by the Emergency Plan.

Normal Conditions
Water supply is adequate
Drought Alert
Lower than normal precipitation, lower groundwater levels
Voluntary Reductions
Water quality deteriorating or conflicts among users
Mandatory Restrictions
Continued decline in water supply and/or water quality
Emergency Management
Severe water supply or water quality. Problems due to very limited resource availability.

Safe Disposal of Prescription Medication

Recently government bodies have realized that there are limitations to what elements can be removed from the process of filtration. Government bodies have expressed their growing concern of hormones and PPCP's (Pharmaceutical and Personal Care Products) entering our drinking water.
Even with intricate or highly technological water filtration PPCP's cannot be fully removed. Our wasted system is comprised of septic tanks and pipes which leach into the soil and directly into our aquifer.
Please take precaution when disposing of PPCP's. There are "take back" bins located across the state, please utilize this resource. Please visit this website for more information. https://tdeconline.tn.gov/rxtakeback/