



CONSUMER CONFIDENCE REPORT

H.B. &T.S. Utility District Water Quality Report

Is my drinking water safe?

Yes. In 2024 tests were conducted for more than 57 compounds that might be found in drinking water. Your drinking water meets all of the EPA's health standards.

What is the source of my water?

Your water comes from a surface water source, the Cumberland River or commonly known as Cheatham Lake (Harpeth Valley U.D.). Our goal is to protect our water from contaminants and we are working with the State to determine the vulnerability of our water supply to contaminants. The Tennessee Department of Environment and Conservation has prepared a Source Water Assessment for the water supplies serving this water system. The Assessment Susceptibility Ratings to potential contamination are as follows: Reasonably (high), moderately (moderate) or slightly (low). The ratings are based on geologic factors and human activities within the source water protection area of the water source. HB&TS's water sources rated as reasonably susceptible to potential contamination.

An explanation of this report can be viewed online at <https://www.tn.gov/environment/program-areas/wr-water-resources/water-quality/source-water-assessment.html> or you may contact TDEC at 1-888-891-8332 to obtain copies of specific assessments.

Why are there compounds in my water?

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some compounds. Community water systems are required to disclose the detection of compounds; however, bottled water companies are not required to comply with this regulation. The presence of compounds does not necessarily indicate that water poses a health risk. More information about compounds and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (1-800-426-4791). The sources of drinking water (both tap 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 human activity.

Contaminants that may be present in source water:

- 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 and the Tennessee Dept. of Environment and Conservation prescribe 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.

How can I get involved?

Our Water Board meets at our office on the fourth Wednesday of each month at 9:00am. Our office is located at 505 Downs Boulevard, Franklin, Tennessee 37064. Please feel free to participate in these meetings.

Is our water system meeting other rules that govern our operations?

The State and EPA require us to test and report on our water on a regular basis to ensure its safety. We have met all these requirements. We want you to know that we pay attention to all the rules.

Other Information

Due to all water containing dissolved compounds, occasionally your water may exhibit slight discoloration. We strive to maintain the standards to prevent this. We at H.B. &T.S. work around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

Important Health Information

Some people may be more vulnerable to compounds in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have under-gone 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 not only their drinking water, but also food preparation, personal hygiene, and precautions in handling infants and pets 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).

For more information regarding your drinking water please contact Timothy Byram, Operations Manager, at 615-794-7796.

Este informe contiene información mu importante. Traduscalo o hable con alguien que lo entienda bien

2024 Water Quality Data

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. AL - Action Level, or the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow.
- BDL – Below detection limit.
- 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.

- Picouries per liter (pCi/L) - Picouries per liter is a measure of the radioactivity in water.
- 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.
- MRDL: 'Maximum Residential Disinfection Level'- The highest level of disinfectant allowed in drinking water
- MRDLG: Maximum Residential Disinfectant Goal'-The level of a drinking water disinfectant below which there is no known or expected risk to health

Unless otherwise noted, the data presented in this table is from sampling performed from January 1, 2024 to December 31, 2024.

Contaminant	Violation Yes/No	Level Detected	Range of Detections	Date of Sample	Unit Measurement	MCLG	MCL	●Likely Source of Contamination
Total Coliform Bacteria	No	0%	-	40 samples taken per month	-	0	TRIGGER	● Naturally present in the environment
Total Organic Carbon ¹	No	1.33 MAX	1.16-1.51	2024	PPM	N/A	TT	●Naturally present in the environment
Turbidity ²	No	0.05 AVG	0.02 – 0.29	2024	NTU	N/A	TT	●Soil runoff
Copper ³	No	90 th %=.0768	0.00115-0.324	6 / 2023	PPM	1.3	AL=1.3	●Corrosion of household plumbing systems ●Erosion of natural deposit
Fluoride	No	0.56 AVG	0.22 - 0.84	2024	PPM	4	4	●Erosion of natural deposits water additive that promotes strong teeth
Lead ³	No	90 th %= 1.0	1.04-6.11	6 / 2023	PPB	15	AL=15	●Corrosion of household plumbing system ●Erosion of natural deposits
Chlorine	No	1.4 AVG	0.7 – 2	2024	PPM	4.0 (MRDL)	4.0 (MRDLG)	●Water additive used to control microbes
Sodium	No	10.1	-	9/18/2024	PPM	N/A	N/A	●Erosion of natural deposits
Nitrate	No	0.48	-	10/8/2024	PPM	10	10	●Soil runoff from fertilizer
* **TTHM (Total Trihalomethanes)	No	61 AVG	34-82	4 QTLY. 2024	PPB	0	80	●By- product of drinking water chlorination
**THAA (Total Haloacetic Acids)	No	33 AVG	19-46	4 QTLY. 2024	PPB	0	60	●By - product of drinking water chlorination
ALKALINITY	No	71 AVG	37-101	2024	PPM	N/A	N/A	●The capacity of water to neutralize acids

1. We met the Treatment Technique requirements for Total Organic Carbon in 2024.
2. We met the Treatment Technique requirement for Turbidity in 2024 with 100% of monthly samples below the Turbidity limit of 0.3 NTU.
3. During the most recent round of Lead and Copper testing, 0 out of 30 households sampled contained concentrations exceeding the action level. 90TH percentile.
4. H.B.& T.S. completed the Lead Service Line Inventory in 2024. Customers can access the information at <https://hbtsud.com/lead-service-line-inventory/>.
5. Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. For additional information call the Safe Drinking Water Hotline at (800) 426-4791. The Utility had no unregulated contaminants detected.

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

** H.B. & T.S. Utility District violated drinking water requirements over the past year. Even though these were not emergencies, as our customers, you have the right to know what happened and what we are doing to correct these situations.

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 our drinking water meets health standards. During the first quarter of 2024 we failed to monitor for Total Trihalomethanes and Total Haloacetic Acids per our Stage 2 LRAA Monitoring Plan and therefore cannot be sure of the quality of your drinking water during this time.

What should I do?

There is nothing you need to do at this time.

The table below lists the contaminant(s) we did not test according to our monitoring plan during a recent compliance period.

Contaminant	Required sampling frequency	Number of samples required	When samples should have been taken during week of	When samples were taken (or will be taken)
Total Trihalomethanes	Quarterly	4	2/21/2024	2/6/2024
Total Haloacetic Acids	Quarterly	4	2/21/2024	2/6/2024

What is being done?

H.B.&T.S. has communicated with Tennessee Department of Environment and Conservation Division of Water Resources to confirm correct sample dates for future sampling periods.

Water testing is available from private testing labs for a fee. For additional information call the Safe Drinking Water Hotline at (800) 426-4791.

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.

HB&TS: Quality Water

This report was issued as a requirement of an amendment to the 1996 Safe Drinking Water Act. The 1998 amendment allows the Environmental Protection Agency (EPA) to require a Consumer Confidence Report every 12 months. The goal of the EPA is to inform all customers about water quality issues in their area and to give customers any information needed to become involved in local water issues, if so desired.

Lead in Drinking Water

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 is primarily from materials and parts used in service lines and in home plumbing. H.B. & T.S. Utility District is responsible for providing high quality drinking water and removing lead pipes but 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 materials within your home 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 the filter is used properly. Use only cold water for drinking, cooking, and making baby formula. Boiling water 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, doing laundry or a load of dishes. If you have a lead service line or galvanized requiring replacement service line, you may need to flush your pipes for a longer period. If you are concerned about lead in your water and wish to have your water tested, contact Timothy Byram at 615-794-7796. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <https://www.epa.gov/safewater/lead>.

Lead Health Effects

Exposure to lead in drinking water can cause serious health effects in all age groups. Infants and children can have decreases in IQ and attention span. Lead exposure can lead to new learning and behavior problems or exacerbate existing learning and behavior problems. The children of women who are exposed to lead before or during pregnancy can have increased risk of these adverse health effects. Adults can have increased risks of heart disease, high blood pressure, kidney, or nervous system problems.

Water Hardness

Believe it or not, 85% of the U.S. has hard water. The water in our district is categorized as slightly or moderately hard. Average sampling in 2024 showed a level of 103 PPM. (6.02 Grains per Gallon)

Cross Connection Awareness

HB&TS takes the safety of its water supply serious. Never cross connect the public's safe drinking water supply with an alternate source that could be contaminated with chemicals or bacteria.

Water Wells possibly contaminated with e-coli, garden hoses or irrigation systems that come into contact with chemicals around your home and lawn are all considered to be **cross connections** when **connected** with the city's safe drinking water supply.

Without the proper protection, a sudden drop of water pressure from the city's water supply due to a line break or nearby fire will create a backflow or backsiphonage of water to occur. Should you have an alternate water supply or source that contains chemicals or bacteria connected to the city's drinking water supply at this time, it will allow the chemicals or bacteria to go back into you and your neighbor's homes.

If you have a well, an irrigation system or use chemicals that come in contact with the city's safe drinking water you are required to install a **backflow prevention device**, and have it tested annually to ensure that it is in proper working condition.

A **backflow prevention device** creates a separation of your safe drinking water from an unsafe source. Ensuring that your safe and reliable drinking water source remains just that, safe and reliable. If you have one of these devices already installed, ensure that it is tested annually and that it is reported back to HB&TS for our record keeping.

For more information regarding cross connections or to have a survey performed at your business or residence for potential cross connections please contact Anna Welch at 615-794-7796 ext. 105 awelch@hbtsud.com or Chris Johnson at cjohnson@hbtsud.com

HB&TS UTILITY DISTRICT BOARD MEMBER SELECTION

The Commissioners of HB&TS Utility District serve staggered four-year terms. Vacancies on the Board of Commissioners are filled and appointed by the Williamson County Mayor from a list of three nominees certified by the Board of Commissioners to the Williamson County Mayor to fill a vacancy. Decisions by the Board of Commissioners on customer complaints brought before them under the District's customer complaint policy may be reviewed by the Utility Management Review Board of the Tennessee Department of Environment and Conservation pursuant to Section 7-82-702(7) of Tennessee Code Annotated.

**HB&TS Utility District
is an Equal Opportunity
Provider and Employer**