

# Tarrytown Water System 2023 Water Quality Report

Georgia Water System ID #: GA2090004

**Water System Contact:**

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## **Summary of Water Quality Information**

The **Tarrytown** drinking water system is owned by the town of **Tarrytown** and operated by **Tindall Enterprises, Inc.** The facility office is located in Tarrytown, Georgia in Montgomery County. If there are ever any comments or inquiries, please feel free to contact the operator, Trey Pearson or Jamie Mosley, Tarrytown Mayor, at **the numbers listed above** during regular working hours or in the event of an emergency.

Included in this report is information about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. The town of **Tarrytown** is committed to providing your community with clean, safe, and reliable drinking water for everyone. For more information about your water or this report please contact **Jamie Mosley**. **A copy of this report is available upon request at City Hall.**

The town of **Tarrytown** provides your community with drinking water purchased from the **Soperton Water System (WSID GA2830000)**. Your water comes from a *groundwater* well, identified as Well 101, which derives water from the *Upper Floridan Aquifer*. This well is located near the intersection of Forth Street and E. Georgia Avenue in the City of Soperton, Georgia. Necessary treatment is performed at the wells to include removal of contaminants and the addition of chlorine disinfection. The well property is protected from activities which could potentially cause contamination of this water source.

A **Wellhead Protection Plan** for the **City of Soperton** has been completed by the Georgia Department of Natural Resources Environmental Protection Division. This plan identifies any types of pollution to which your water supply could be vulnerable and includes information regarding potential sources of contamination in your watershed. Potential pollution sources for **Well 101** in the 15-foot control zone include access and secondary roads. Potential pollution sources for **Well 101** in the 100-foot management zone include access and secondary roads, electrical transformers, utility poles, sewer lines, and the City of Soperton maintenance yard. **This report is available upon request at the facility office.**

Drinking water systems are tested for more than eighty (80) drinking water parameters on a periodic basis determined by the Georgia Department of Natural Resources Environmental Protection Division (EPD) Drinking Water Program and/or the United States Environmental Protection Agency. Sample/testing schedules are based on initial contaminant level assessments and can be changed if necessary. Waivers may also be issued for the analyses of certain compounds if analytical data shows that the distributed drinking water in this area is not vulnerable to contamination from these chemicals.

Generally, water samples are taken from **Well 101** annually for the analyses of nitrate-nitrites; and for the analyses of inorganic compounds, synthetic organic compounds, volatile organic compounds, and radionuclides once in a three (3) year cycle. The **Tarrytown** and **City of Soperton** distribution systems are also tested for lead, copper, TTHMs, and HAA5s every three (3) years and for bacteriological content once a month.

For the 2023 testing cycle, the **Tarrytown Water System** was tested for bacteriological content. Additionally, the **City of Soperton** tested your drinking water for the presence of bacteriological content, nitrate-nitrites, total trihalomethanes, and haloacetic acids. **We are pleased to inform you that none of the results exceeded the MCLs in 2023. All detected contaminants are delineated in the accompanying charts. Any contaminants not listed in the accompanying charts had results less than the detection limits and/or maximum contaminant levels.** For analytes not tested in 2022, the results from the most recent testing cycle are also included in the chart(s).

For the most recent lead and copper monitoring event, five (5) representative locations throughout your community were sampled and analyzed. While **NO** tested site exceeded the *action levels* for lead or copper, one or both contaminants were detected in one or more sample(s). This indicates the presence of some service lines that may contain these contaminants.

Lead and copper are metals naturally found throughout the environment in soil and water. These metals can also be found in lead, copper, or brass household plumbing pipes and fixtures. Even consumer products such as paints, pottery, and pewter can contain lead and/or copper. Corrosion or deterioration of lead or copper-based materials, as well as erosion of natural deposits can release these metals into the drinking water.

*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 materials and components associated with service lines and home plumbing.*

The town of **Tarrytown** is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components. When your 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 methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

**The following measures may also be taken to minimize exposure to lead and/or copper:**

- Flush your tap for 30 seconds to 2 minutes before using water for drinking or cooking.
- Use cold water for drinking or cooking.
- Do not cook with or consume water from the hot water faucet.
- Do not use hot water for making baby formula.
- Use only “lead-free” solder, fluxes and materials in new household plumbing and repairs.

Drinking water, including bottled water, may be expected to contain at least small amounts of 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’s Safe Drinking Water Hotline at 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 at 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 the following:**

- **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 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, agricultural application, and septic systems.
- **Radioactive contaminants** 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. Food and Drug Administration regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

**Tarrytown** strives to maintain the highest standards of performance and quality possible. In order to maintain a safe and dependable water supply, improvements that benefit the community must be made. Please help keep these costs as low as possible by utilizing good water conservation practices.

#### **DEFINITION OF TERMS AND ABBREVIATIONS USED IN THIS REPORT**

**Maximum Contaminant Level (MCL):** “The highest level of a contaminant that is allowed in drinking water. MCL’s are set as close to the MCLG 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. MCLG’s allow for a margin of safety.”

**Secondary Maximum Contaminant Level (SMCL):** Reasonable goals for drinking water quality. Exceeding SMCL’s may adversely affect odor or appearance, but there is no known risk to human health.

**Maximum Residual Disinfectant 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 microbiological 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.

**TTHMs (Total Trihalomethanes):** One or more of the organic compounds: chloroform, bromodichloromethane, chlorodibromomethane, and/or bromoform.

**HAA5s (Haloacetic Acids):** One or more of the organic compounds mono-chloroacetic acid, dichloroacetic acid, trichloroacetic acid, monobromoacetic acid, and dibromoacetic acid.

**TARRYTOWN WATER SYSTEM  
2023 WATER QUALITY DATA  
WSID: GA2090004**

The table below lists all the drinking water contaminants that have been detected in your drinking water. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The data presented in this table is from testing done during the year noted. The Federal Environmental Protection Agency (EPA) and the Georgia Department of Natural Resources Environmental Protection Division (EPD) require monitoring for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Parameters, values, and or sources may vary.

DETECTED INORGANIC CONTAMINANTS TABLE								
Parameter	Units	MCL [SMCL]	MCLG	Tarrytown Water System Results	Range of Detections	Sample Date	Violation No/Yes	Typical Source of Contaminant
Chlorine	ppm	4	4	0.65	0.65 to 0.65	2022	No	Water additive used for control of microbes

DETECTED ORGANIC CONTAMINANTS TABLE								
Parameter	Units	MCL	MCLG	Tarrytown Water System Results	Range of Detections	Sample Date	Violation No/Yes	Typical Source of Contaminant
Haloacetic Acids	ppb	60	**	ND	N/A	2022	No	By product of drinking water disinfection
TTHMs	ppb	80	**	1.4	1.4 to 1.4	2022	No	By product of drinking water disinfection

LEAD AND COPPER MONITORING RESULTS								
Parameter	Units	Action Level	MCLG	Tarrytown 90th Percentile	# of Sample Sites above Action Level	Sample Date	Violation No/Yes	Typical Source of Contaminant
Lead	ppb	15	0	ND	0 of 5	2021	No	Corrosion of household plumbing; Erosion of natural deposits
Copper	ppm	1.3	1.3	0.1025	0 of 5	2021	No	Corrosion of household plumbing; Erosion of natural deposits

MICROBIOLOGICAL MONITORING RESULTS								
Parameter	Units	MCL	MCLG	Tarrytown # of Positive Samples	Positive Sample Date (Month/Year)	Sample Year	Violation No/Yes	Typical Source of Contaminant
Total Coliform	Present/	1*	0	1	OCTOBER	2023	No	Naturally present in the environment
E. coli	Absent	0	0	0	N/A	2023	No	Human and animal fecal waste

\*Total Coliform Rule MCL= 1 positive sample for systems that collect <40 samples a month

\*\* No established MCL, SMCL or MCLG

•N/A: Not applicable to this contaminant

•ppb (ug/L): parts per billion or micrograms per liter

•ppm (mg/L): parts per million or milligrams per liter

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

•pCi/l: picocuries per liter, a measurement of radiation

•ND (Not Detected): By regulation, this substance or group of substances was tested for in our finished tap water; however, none was detected at the testing limit.

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

**SOPERTON WATER SYSTEM  
2023 WATER QUALITY DATA  
WSID: GA2830000**

The table below lists all the drinking water contaminants that have been detected in your drinking water. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The data presented in this table is from testing done during the year noted. The Federal Environmental Protection Agency (EPA) and the Georgia Department of Natural Resources Environmental Protection Division (EPD) require monitoring for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Parameters, values, and or sources may vary.

DETECTED INORGANIC CONTAMINANTS TABLE								
Parameter	Units	MCL [SMCL]	MCLG	Soperton Water System Results	Range of Detections	Sample Date	Violation No/Yes	Typical Source of Contaminant
Chlorine	ppm	4	4	0.41	1.41 to 0.41	2023	No	Water additive used for control of microbes
Barium	ppm	2	2	0.29	0.15 to 0.29	2022	No	Erosion of natural deposits
Fluoride	ppm	4 [2]	4	0.53	ND to 0.53	2022	No	Erosion of natural deposits; water additive
Iron	ppb	[300]	**	270	120 to 270	2022	No	Erosion of natural deposits
Manganese	ppb	[50]	**	120	55 to 120	2022	No	Acid drainage from coal mines

DETECTED ORGANIC CONTAMINANTS TABLE								
Parameter	Units	MCL	MCLG	Soperton Water System Results	Range of Detections	Sample Date	Violation No/Yes	Typical Source of Contaminant
Haloacetic Acids	ppb	60	**	ND	N/A	2023	No	By product of drinking water disinfection
TTHMs	ppb	80	**	ND	N/A	2023	No	By product of drinking water disinfection

OTHER DETECTED UNREGULATED CONTAMINANTS TABLE								
Parameter	Units	MCL [SMCL]	MCLG	Soperton Water System Results	Range of Detections	Sample Date	Violation No/Yes	Typical Source of Contaminant
Sodium	ppm	**	**	9.6	7.4 to 9.6	2022	No	Erosion of natural deposits

LEAD AND COPPER MONITORING RESULTS								
Parameter	Units	Action Level	MCLG	Soperton 90th Percentile	# of sample sites above Action Level	Sample Date	Violation No/Yes	Typical Source of Contaminant
Lead	ppb	15	0	1.1	0 of 20	2022	No	Corrosion of household plumbing
Copper	ppm	1.3	1.3	0.11	0 of 20	2022	No	Corrosion of household plumbing

MICROBIOLOGICAL MONITORING RESULTS								
Parameter	Units	MCL	MCLG	Soperton # of Positive Samples	Positive Sample Date (Month/Year)	Sample Year	Violation No/Yes	Typical Source of Contaminant
Total Coliform	Present/ Absent	1*	0	0	N/A	2023	No	Naturally present in the environment
E. coli		0	0	0	N/A	2023	No	Human and animal fecal waste

RADIONUCLIDES TABLE								
Parameter	Units	MCL	MCLG	Soperton Water System Results	Range of Detections	Sample Date	Violation No/Yes	Typical Source of Contaminant
Alpha emitters	pCi/L	15	0	12.0	6.31 to 12.0	2021	No	Erosion of natural deposits
Combined Radium 226/228	pCi/L	5	0	2.10	1.05 to 2.10	2021	No	Erosion of natural deposits

\*Total Coliform Rule MCL= 1 positive sample for systems that collect <40 samples a month

\*\* No established MCL, SMCL or MCLG

•N/A: Not applicable to this contaminant

•ppb (ug/L): parts per billion or micrograms per liter

•ppm (mg/L): parts per million or milligrams per liter

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

•pCi/l: picocuries per liter, a measurement of radiation

•ND (Not Detected): By regulation, this substance or group of substances was tested for in our finished tap water; however, none was detected at the testing limit.

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