

2020 Annual Drinking Water Quality Report for Forest Hills Water PWS#6092327

We are very pleased to provide you with this year's Annual Water Quality Report. We want to keep you informed about the excellent water and services we have delivered to you over the past year. Our goal is and always has been, to provide to you a safe and dependable supply of drinking water. Our water is purchased from Citrus County Utilities-three interconnected water treatment facilities consisting of eight wells which draw water from the Floridian Aquifer. The water is chlorinated for disinfection purposes.

In 2020 the Department of Environmental Protection performed a Source Water Assessment on our system and a search of the data sources indicated seven potential sources of contamination with low susceptibility level near the Citrus County Utilities wells. The assessment results are available on the FDEP Source Water Assessment and Protection Program website at www.dep.state.fl.us/swapp.

If you have any questions about this report or concerning your water utility, please contact **Hash Utilities (352) 613-0103**. We encourage our valued customers to be informed about their water utility. If you want to learn more, please contact the office during normal business hours.

Forest Hills Water System routinely monitors for contaminants in your drinking water according to Federal and State laws, rules, and regulations. Except where indicated otherwise, this report is based on the results of our monitoring for the period of January 1 to December 31, 2020. Data obtained before January 1, 2020 and presented in this report are from the most recent testing done in accordance with the laws, rules, and regulations.

In the table below, you may find unfamiliar terms and abbreviations. To help you better understand these terms we've provided the following definitions:

- **Maximum Contaminant Level or 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 or 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.
- **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 control of microbial contaminants.
- **Maximum residual disinfectant level goal or 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.
- **Action Level (AL):** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.
- **"ND"** means not detected and indicates that the substance was not found by laboratory analysis.
- **Parts per quadrillion (ppq) or Picograms per liter (picograms/l):** one part by weight of analyte to 1 quadrillion parts by weight of the water sample.
- **Parts per trillion (ppt) or Nanograms per liter (nanograms/l):** one part by weight of analyte to 1 trillion parts by weight of the water sample.
- **Picocurie per liter (pCi/L)** - measure of the radioactivity in water.
- **Parts per million (ppm) or Milligrams per liter (mg/l)** – one part by weight of analyte to 1 million parts by weight of the water sample.
- **Parts per billion (ppb) or Micrograms per liter (µg/l)** – one part by weight of analyte to 1 billion parts by weight of the water sample.
- **Treatment Technique (TT)** - a required process intended to reduce the level of a contaminant in drinking water.
- **Initial Distribution System Evaluation (IDSE):** An important part of the Stage 2 Disinfection Byproducts Rule (DBPR). The IDSE is a one-time study conducted by water systems to identify distribution system locations with high concentrations of trihalomethanes (THMs) and haloacetic acids (HAAs). Water systems will use results from the IDSE, in conjunction with their Stage 1 DBPR compliance monitoring data, to select compliance monitoring locations for the Stage 2 DBPR.

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:

- (A) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- (B) 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.
- (C) Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- (D) 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.
- (E) Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

To ensure that tap water is safe to drink, the EPA prescribes regulations, which limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) 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 Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

Inorganic Contaminants – Citrus County Utilities							
Contaminant and Unit of Measurement	Dates of sampling	MCL Violation	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination
Arsenic (ppb)	05/20	N	0.67	Nd-0.67	0	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium (ppm)	05/20	N	0.013	ND-0.013	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Chromium (ppb)	05/20	N	1.1	ND-1.1	100	100	Discharge from steel and pulp mills; erosion of natural deposits
Fluoride (ppm)	05/20	N	0.073	0.056-0.073	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
Lead (point of entry) (ppb)	05/20	N	0.37	ND-0.37	0	15	Residue from man-made pollution such as auto emissions and paint; lead pipe, casing, and solder
Nitrate (as Nitrogen) (ppm)	04/20	N	1.6	0.12-1.6	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium (ppm)	05/20	N	7.4	6.0-7.4	N/A	160	Saltwater intrusion, leaching from soil

Volatile Organic Contaminants – Citrus County Utilities							
Contaminant and Unit of Measurement	Dates of sampling	MCL Violation	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination
Toluene (ppm)	05/20-12/20	N	0.00059	ND-0.00059	1	1	Discharge from petroleum factories
Xylenes (ppm)	05/20	N	3.0	ND-3.0	10	10	Discharge from petroleum factories; discharge from chemical factories

Stage 1 and 2 Disinfectants and Disinfection By-Products – Forest Hills							
Contaminant and Unit of Measurement	Dates of sampling	MCL Violation	Level Detected	Range of Results	MCLG or MRDLG	MCL or MRDL	Likely Source of Contamination
TTHM [Total trihalomethanes] (ppb)	08/18	No	3.05	N/A	N/A	MCL = 80	By-product of drinking water disinfection
Haloacetic Acids HAA5 (ppb)	08/18	No	13.5	N/A	N/A	MCL = 60	By-product of drinking water disinfection.
Chlorine (ppm)	01-12/20	No	1.0	0.7 – 1.2	MRDLG = 4	MRDL=4.0	Water additive used to control microbes

Lead and Copper (Tap Water) – Forest Hills							
Contaminant and Unit of Measurement	Dates of sampling	MCL Violation	90th Percentile	No. sites exceeding the AL	MCLG	MCL	Likely Source of Contamination
Lead (tap water) (ppb)	08/18	No	0.65	0	0	15	Corrosion of household plumbing systems, erosion of natural deposits
Copper (tap water) (ppm)	08/18	No	0.00595	0	1.3	1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

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 microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Unregulated Contaminants

Beginning in July 2018, the Charles A. Black Potable Water System (Citrus County Utilities) was monitored for Unregulated Contaminants (UCs) as part of a study to help the U.S. Environmental Protection Agency (EPA) determine the occurrence of UCs in drinking water and whether these contaminants need to be regulated or not. **At present, no health standards (for example, maximum contaminant levels) have been established for UCs.** If you would like more information on the EPA's Unregulated Contaminants Monitoring Rule (UCMR), please call the Safe Drinking Water Hotline at (800)426-4791.

Unregulated Contaminants – Citrus County Utilities				
Contaminant and Unit of Measurement	Dates of sampling	Maximum Level Detected	Range of Detection (of multiple samples)	Likely Source of Contamination
Bromide (ppb)	07/18 01/19	28.5	ND-28.5	Indicator compound used for determination of HAAs.
HAA5 [Haloacetic Acids (five)](ppb)	07/18 01/19	1.91	1.08-1.91	By-product of drinking water disinfection
HAA6Br [Haloacetic Acids (six)](ppb)	07/18 01/19	1.64	1.25–1.64	By-product of drinking water disinfection
HAA9 [Haloacetic Acids (nine)](ppb)	07/18 01/19	3.14	2.03–3.14	By-product of drinking water disinfection
Manganese (ppb)	07/19 01/20	2.2	ND–2.2	Naturally-occurring element; commercially available in combination with other elements and minerals; used in steel production, fertilizer, batteries and fireworks; drinking water and wastewater treatment chemical; essential nutrient
1-butanol	07/19 01/20	2.9	ND–2.9	Used as a solvent, food additive and in production of other chemicals

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. Forest Hills Water 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>.

We at Forest Hills Water would like 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. If you have any questions or concerns about the information provided, please feel free to call any of the numbers listed.