

# Fairfield Hills 2021

## Is my water safe?

We are pleased to present this year’s Annual Water Quality Report (Consumer Confidence Report) as required by the Safe Drinking Water Act (SWDA). This report is designed to provide details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. This report is a snapshot of last year’s water quality. We are committed to providing you with information because informed consumers are our best allies.

## Do I need to take special precautions?

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 advise about drinking water from their health care providers. EPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791)

## Where does my water come from?

Fairfield Hills water is supplied by multiple ground water graveled wells located in the Fairfield Hills community.

## Source water assessment and its availability

Contact the CT Water Supply Section @ 860-509-7333.

## How can I get involved?

Contact Julio Segarra of Fairfield Hills Veolia Water @ 203-525-7117 Address: 24 Commerce Rd. — Newtown, CT. 06470. There is a board meeting the 2nd Thursday of every month and it is posted on the town website :<https://www.newtown-ct.gov/>

## Description of Water Treatment Process

Your water is treated by disinfection. Your water is treated with Sodium Hypochlorite for disinfection and Sodium Hexametaphosphate for anti-corrosion protection of the 6 miles of pipe in the Fairfield Hills water system. Disinfection involves the addition of chlorine or other disinfectants to kill bacteria and other microorganisms (viruses, cysts, etc.) that may be in the water. Disinfection is considered to be one of the major public health advances of the 20th century.

## Water Quality Data Table

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of contaminants in water provided by public water systems. The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. Although many more contaminants were tested, only those substances listed below were found in your water. All sources of drinking water contain some naturally occurring contaminants. At low levels, these substances are generally not harmful in our drinking water. A few naturally occurring minerals may actually improve the taste of drinking water and have nutritional value at low levels. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. As such, some of our data, though representative, may be more than one year old. In this table you will find terms and abbreviations that might not be familiar to you. To help you better understand these terms, we have provided the definitions

<u>Contaminants</u>	<u>MCLG or MRDLG</u>	<u>MCL, TT, or MRDL</u>	<u>Your Water</u>	<u>Range Low</u>	<u>High</u>	<u>Sample Date</u>	<u>Violation</u>	<u>Typical Source</u>
<u>Disinfectants &amp; Disinfectant By-Products</u>								
(There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants)								
Chlorine (as Cl2) (ppm)	4	4	176	0	2.07	2021	No	Water additive used to control microbes
TTHM s [Total Trihalomethanes] (ppm)	NA	0.08	0.00296	NA	NA	2021	No	By-product of drinking water disinfection
<u>Microbiological Contaminants</u>								
Total Coliform (positive samples/month)	0	1	0	NA	NA	2021	No	Naturally present in the environment
Turbidity (NTU)	NA	5	2.2	NA	NA	2021	No	Soil runoff
Fecal Indicator - E. Coli at the source (positive samples)	0	0	0	NA	NA	2021	No	Human and animal fecal waste
<u>Contaminants</u>	<u>MCL G</u>	<u>AL</u>	<u>Your Water</u>	<u>Sampl e Date</u>	<u>Samp les Exceeding AL</u>	<u>Exceeds AL</u>	<u>Typical Source</u>	
Lead - action level at consumer taps (ppb)	0	15	2	2021	0	No	Corrosion of plumbing systems; Erosion of natural deposits.	
Copper - action level at consumer taps (ppm)	1.3	1.3	0.54	2021	0	No	Corrosion of plumbing systems. Erosion of natural deposits. Runoff from fertilizer use.	
Nitrate as N (ppm)	10	10	ND	2021	0	No	Leaching from septic tanks, sewage. Erosion of Natural	

Undetected contaminants					
The following contaminants were monitored for, but not detected, in your water.					
Contaminants	MCL D or MRDL	MCL or MRDL	Your Water	Violation	Typical Source
Synthetic Organic Compounds (ppm)	0	NA	ND	No	Pesticide, Herbicide use
Volatile Organics	0	NA	ND	No	Organic Solvents
Alpha Emitters (pCi/L)	0	15	ND	No	Erosion of natural deposits
Radium (combined 226/228) (pCi/L)	0	5	ND	No	Erosion of natural deposits
Uranium (ug/L)	0	30	ND	No	Erosion of natural deposits
Haloacetic Acids (HAA5) (ppm)	NA	0.06	ND	No	By-product of drinking water chlorination

Term	Definition
ppm	ppm: parts per million, or milligrams per liter (mg/L).
ppb	ppb: parts per billion, or micrograms per liter (µg/L).
pCi/L	pCi/L: picocuries per liter (a measure of radioactivity).
NTU	NTU: Nephelometric Turbidity Units. Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system.
Positive samples/month	Positive samples/month: Number of samples taken monthly that were found to be positive.
NA	NA: not applicable.
ND	ND: Not detected.
NR	NR: Monitoring not required, but recommended.

Important Drinking Water Definitions	
Term	Definition
MCLG	MCLG: Maximum Contaminant Level Goal:
MCL	MCL: Maximum Contaminant Level:
TT	TT: Treatment Technique
AL	AL: Action Level
Variances and Exemptions	Variances and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.
MRDLG	MRDLG: Maximum Residual Disinfection Level Goal.
MRDL	MRDL: Maximum Residual Disinfection Level
MNR	MNR: Monitored Not Regulated.
MPL	MPL: State Assigned Maximum Permissible Level.

## Lead and Copper Health Effects

Infants and children who drink water containing Lead in excess of the action level could experience delays in their physical or mental development. Children could show slight defects in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure. Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a short period of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level could, suffer liver or kidney damage. People with Wilson’s Disease should consult their personal doctor.

## For more Information please contact:

Julio Segarra of Fairfield Hills Veolia Water @ 203-525-7117 Address: 24 Commerce Rd. — Newtown, CT. 06470

**Why are there contaminants in my drinking water?**

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 water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency’s (EPA) Safe Drinking Water Hotline: (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: microbial contaminants, such as viruses and bacteria, that 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; and 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, the EPA prescribes regulations that limit the amount 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 for public health.

**Additional Information for 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 materials and components associated with service lines and home plumbing. Fairfield Hills—Veolia 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>.

**Source Water Protection Tips**

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 reach your drinking water source.
- Pick up after your pets.
- If you have your own septic system, properly maintain your system 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 EPS’s Adopt Your Watershed to locate groups in your community, or visit the Watershed Information Network’s How to Start a Watershed Team.

- Organize a storm drain stenciling project with your local government or water supplier. 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.

**Water Conservation Tips**

- Did you know that the average U.S. household uses approximately 400 gallons of water per day or 100 gallons per person per day? Luckily, there are many low-cost and no-cost ways to conserve water. Small changes can make a big difference—try one today and soon it will become second nature.
- Take short showers—a 5 minute shower uses 4 to 5 gallons of water compared to up to 50 gallons for a bath.
  - Shut off your water while brushing your teeth, washing your hair and shaving and save up to 500 gallons a month.
  - Use a water-efficient showerhead. They’re inexpensive, easy to install, and can save you up to 750 gallons a month.
  - Run your clothes washer and dishwasher only when they are full. You can save up to 1,000 gallons a month.
  - Water plants only when necessary.
  - Fix leaky toilets and faucets. Faucet washers are inexpensive and take only a few minutes to replace. To check your toilet for a leak, place a few drops of food coloring in the tank and wait. If it seeps into the toilet bowl without flushing, you have a leak. Fixing it or replacing it with a new, more efficient model can save up to 1,000 gallons a month.
  - Adjust sprinklers so only your lawn is watered. Apply water only as fast as the soil can absorb it and during the cooler parts of the day to reduce evaporation.
  - Teach your kids about water conservation to ensure a future generation that uses water wisely. Make it a family effort to reduce next month’s water bill!
  - Visit [www.epa.gov/watersense](http://www.epa.gov/watersense) for more information.



**Annual Report**

**Fairfield Hills Water**

**NEWTOWN, CT.**