



Annual Drinking Water Quality Report for 2018

NEWTON FALLS WATER DISTRICT

Town of Clifton

PO Box 684

Cranberry Lake, NY 12927

Public Water Supply ID# NY4404403

INTRODUCTION

To comply with State regulations, the Newton Falls Water District will be annually issuing a report describing the quality of your drinking water. The purpose of this report is to raise your understanding of drinking water and awareness of the need to protect our drinking water sources. We are proud to report that our system did not violate a maximum contaminate level or any other water quality standard. This report provides an overview of last year's water quality. Included are details about where your water comes from, what it contains, and how it compares to State standards.

If you have any questions about this report or concerning your drinking water, please contact Town Supervisor Charles Hooven at (315) 848-2915. We want you to be informed about your drinking water. If you want to learn more, please attend any of our regularly scheduled Town Board meetings. Town Board meetings are held at 6:30 pm on the second Wednesday of each month. Meetings alternate between the Community Center in Cranberry Lake and the Town Barn in Newton Falls.

WHERE DOES OUR WATER COME FROM?

In general, 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 activities. Contaminants that may be present in source water include: microbial contaminants; inorganic contaminants; pesticides and herbicides; organic chemical contaminants; and radioactive contaminants. In order to ensure that tap water is safe to drink, the State and the EPA prescribe regulations which limit the amount of certain contaminants in water provided by public water systems. The State Health Department's and the FDA's regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Our water system serves approximately 626 people through 100 service connections. Our water source is surface water drawn from the Oswegatchie River in Newton Falls. The water is Filtered and Chemically Disinfected prior to distribution.



Turbidity

Table of Detected Contaminants							
Contaminant	Violation Yes/No	Date of Sample	Level Detected (Max) (Range)	Unit Measurement	MCLG	Regulatory Limit (MCL, TT or AL)	Likely Source of Contamination
Turbidity ¹	NO	2018	100% ≤ 0.3	NTU	N/A	TT=95% of all samples ≤ 0.3	Soil Runoff.
Turbidity ¹	NO	7/13/18	0.155	NTU	N/A	TT= <1.0 NTU	

¹ Turbidity is a measure of the cloudiness of the water. We test it because it is a good indicator of the effectiveness of our filtration system. Our highest single turbidity measurement for the year occurred on 7/13/18 (0.155 NTU). State regulations require that turbidity must always be below 1 NTU. The regulations require that 95% of the turbidity samples collected have measurements below 0.3 NTU.

Disinfection Byproducts

Contaminant	Violation Yes/No	Date of Sample	Level Detected Avg (Range)	Unit Measurement	MCLG	Regulatory Limit (MCL, TT or AL)	Likely Source of Contamination
Total Trihalomethanes (TTHMs – chloroform, bromodichloromethane, dibromochloromethane, and bromoform)	NO	2018	35.5 ² (25.3-46)	ug/l	N/A	MCL= 80 ug/l Based on a running annual average.	By-product of drinking water chlorination needed to kill harmful organisms. TTHMs are formed when source water contains large amounts of organic matter.
Haloacetic Acids- HAA5	NO	2018	37 ² (30-51.5)	ug/l	N/A	MCL= 60ug/l Based on a running annual average.	By-product of drinking water chlorination

² This level represents the highest locational running average calculated from the data collected.



Inorganics

Contaminant	Violation Yes/No	Date of Sample	Level Detected (Avg/Max) (Range)	Unit Measurement	MCLG	Regulatory Limit (MCL, TT or AL)	Likely Source of Contamination
Nitrate	NO	7/11/18	0.065	mg/l	10	MCL= 10mg/l	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Fluoride	NO	9/10/18	<0.2	mg/l	N/A	MCL= 2.2 mg/l	Erosion of natural deposits; Water additive that promotes strong teeth; Discharge from fertilizer and aluminum factories.
Copper	NO	9/27-9/28/2016	0.3 ⁴ .07713- .4908	mg/l	1.3	AL= 1.3 ⁴	Corrosion of household plumbing systems; Erosion of natural deposits; leaching from wood preservatives.
Lead	NO	9/27-9/28/2016	1.6 ⁵ ND-1.78	ug/l	0	AL=15 ⁵	Corrosion of household plumbing systems
Barium	NO	9/28/18	0.0072	mg/l	2.0	MCL=2.0	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.

⁴ The level presented represents the 90th percentile of the 5 sites tested. A percentile is a value on a scale of 100 that indicates the percent of a distribution that is equal to or below it. The 90th percentile is equal to or greater than 90% of the copper values detected at your water system.

⁵ The level presented represents the 90th percentile of the 5 sites tested. A percentile is a value on a scale of 100 that indicates the percent of a distribution that is equal to or below it. The 90th percentile is equal to or greater than 90% of the lead values detected at your water system. The action level was not exceeded at any of the sites tested. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. If you are concerned about elevated lead levels in your home's water, you may wish to have your water tested and flush your tap for 30 seconds to 2 minutes before using tap water. Additional information is available from the Safe Drinking Water Hotline (800-426-4791).



As you can see by the table, our system had no violations. We have learned through our testing that some contaminants have been detected; however, these contaminants were detected below the level allowed by the State.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women, infants, and young children. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. The Star Lake Water District is responsible for providing high quality drinking water, but cannot control the variety of materials used in household 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 (1-800-426-4791) or at <http://www.epa.gov/safewater/lead>.

IS OUR WATER SYSTEM MEETING OTHER RULES THAT GOVERN OPERATIONS?

During 2018, our system was in compliance with applicable State drinking water operating, monitoring and reporting requirements.

DO I NEED TO TAKE SPECIAL PRECAUTIONS?

Although our drinking water met or exceeded state and federal regulations, some people may be more vulnerable to disease causing microorganisms or pathogens 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 from their health care provider about their drinking water. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium*, *Giardia* and other microbial pathogens are available from the Safe Drinking Water Hotline (800-426-4791).



For a full size report, please visit the town website "townofcliftonny.org" or stop and pick one up at the Clifton Town Offices.