

Annual Drinking Water Quality Report for 2020

HALCOTTSVILLE WATER DIST. # 1

Box 577

Margaretville, NY 12455

Public Water Supply ID# 1200264

INTRODUCTION

To comply with State and Federal regulations, **Halcottsville Water District # 1**, 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. Last year, your tap water met all State drinking water health standards. During the year 2020 we tested for several constituents, any detects are included in the table below. We also did coliform testing monthly and all the samples were negative or no detect. 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 Robert Payne, Water Superintendent at 845-663-7982. 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 at the Town of Middletown 42339 State Hwy 28, Margaretville, NY 12455, on the second Tuesday of each month at the Town of Middletown Town Hall starting at 6:00pm until all business is conducted.

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 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.

water wells, which are located at the west end of the community. The water is pumped from the wells, chlorinated, for disinfection, and then pumped to a 24,000-gallon tank. From this tank the water is then delivered to the service connections to each house.

The NYS DOH has completed a source water assessment for our System, based on available information, possible and actual threats to the drinking water sources were evaluated. The state source water assessment includes a susceptibility rating based on the risk posed by each potential source of contamination and how easily contaminants can move through the subsurface to the wells.

The susceptibility rating is an estimate of the potential for contamination of the source of water, it does not mean that the water delivered to consumers is, or will become contaminated. See section "Are there contaminants in our drinking water?" for a list of the contaminants that have been detected.

As mentioned before, our water is derived from three drilled wells. The source water assessment has rated these wells as having a medium-high susceptibility to microbials. This rating is due primarily to the close proximity of septic systems within the assessment area. In addition the wells draw from an unconfined aquifer of unknown hydraulic conductivity. While the source water assessment rates our wells as being susceptible to microbials, please

note that our water is disinfected to ensure that the finished water delivered to your home meets New York State's drinking water standards for microbial contamination. A Copy of the assessment, including a map of the assessment area, can be obtained by contacting us, as noted below.

ARE THERE CONTAMINANTS IN OUR DRINKING WATER?

As the State regulations require, we routinely test your drinking water for numerous contaminants. These contaminants include: total coliform, nitrate, lead and copper, volatile organic compounds, and MTBE. The State allows us to test for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though representative, are more than one year old. All of the contaminants tested for were found to be non-detectable or of such low quantity that they are of no concern.

It should be noted that all drinking water, including bottled drinking water might 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 EPA's Safe Drinking Water Hotline (800-426-4791) or the Oneonta District Health Department at (607) 432-3911.

Table of Detected Contaminants							
Contaminant	Violation Yes/No	Date of Sample	Level Detected (Avg/Max) (Range)	Unit Measurement	MCL G	Regulatory Limit (MCL, TT or AL)	Likely Source of Contamination
Nitrate	No	12/10/20	0.05	mg/l	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Lead	No	6/30/20	1.8 ⁽¹⁾ Range: <1.7-1.9	ug/l	0	AL = 15	Corrosion of household plumbing systems; Erosion of natural deposits.
	No	11/11/20	7.3 ⁽¹⁾ Range: 2.6 - 12				
Copper	Yes	6/30/20	.387 ⁽²⁾ Range: .352-.421	mg/l	1.3	AL = 1.3	Corrosion of household plumbing systems; Erosion of natural deposits; leaching from wood preservatives.
	No	11/11/20	.056 ⁽²⁾ Range .029-.092				
Total Trihalomethanes (TTHMs – chloroform, bromodichloromethane, dibromochloromethane, and bromoform)	No	9/12/19	27.7	ug/l	N/A	80	By-product of drinking water chlorination needed to kill harmful organisms. TTHMs are formed when source water contains organic matter.
Haloacetic Acids (mono-, di-, and trichloroacetic acid, and mono- and dibromoacetic acid)	No	9/12/19	11.2	ug/l	N/A	60	By-product of drinking water disinfection needed to kill harmful organisms.
Arsenic	No	Quarterly	7.7 Range: 7.3 – 7.8	ug/l	N/A	10	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.

Barium	No	12/13/18	0.151	mg/l	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Nickel	No	12/13/18	0.008	mg/l	N/A	N/A	Naturally occurring
Iron	No	12/16/15	16	ug/l	N/A	300	Naturally occurring.
Manganese	No	12/16/15	121	ug/l	N/A	300	Naturally occurring; Indicative of landfill contamination.
Sodium	No	12/16/15	36.2	mg/l	N/A	See Health Effects ⁽³⁾	Naturally occurring; Road salt; Water softeners; Animal waste.
Zinc	No	12/16/15	0.033	mg/l	N/A	5	Naturally occurring; Mining waste.
Chloride	No	12/16/15	36.2	mg/l	N/A	250	Naturally occurring or indicative of road salt contamination.
Sulfate	No	12/16/15	5.8	mg/l	N/A	250	Naturally occurring.
Fluoride	No	12/13/18	0.12	mg/l	N/A	2.2	Erosion of natural deposits; Water additive that promotes strong teeth; Discharge from fertilizer and aluminum factories.
Calcium	No	06/30/20 11/11/20		mg/l	N/A	0.3	Naturally occurring
pH	No	06/30/20 11/11/20		Ph units	N/A	N/A	Naturally occurring
Alkalinity, Carbonate	No	06/30/20 11/11/20		mg/l		N/A	Naturally occurring
Conductivity	No	06/30/20 11/11/20		umhos/cm	N/A	N/A	Naturally occurring
Nitrate	No	12/10/20		mg/l	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage erosion of natural deposits

NOTES:

- (1) The levels presented represent the 90th percentiles of the 2 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. In these cases, 4 samples were collected at your water system during each monitoring period and the 90th percentile values are the average of the two highest values (1.8 ug/l in the set collected in June and 7.3 ug/l in the set collected in November).

- (2) The levels presented represent the 90th percentiles of the 2 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. In these cases, 6 samples were collected at your water system during each monitoring period and the 90th percentile values are the average of the two highest values (.387 mg/l in the set collected in June and .056 mg/l in the set collected in November).
- (3) Water containing more than 20 mg/l of sodium should not be used for drinking by people on severely restricted sodium diets. Water containing more than 270 mg/l of sodium should not be used for drinking by people on moderately restricted sodium diets.

Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible.

Maximum Contaminant Level Goal (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 (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 (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 contamination.

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

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

Non-Detects (ND): Laboratory analysis indicates that the constituent is not present.

Milligrams per liter (mg/l): Corresponds to one part of liquid in one million parts of liquid (parts per million - ppm).

Micrograms per liter (ug/l): Corresponds to one part of liquid in one billion parts of liquid (parts per billion - ppb).

WHAT DOES THIS INFORMATION MEAN?

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 Halcottsville Water District 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 you tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about the 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>.

Although arsenic was detected below the MCL, it was detected at 8.22 ug/l which is greater than one-half of the MCL. Therefore, we are required to present the following information on arsenic in drinking water:

“NYS and EPA have promulgated a drinking water arsenic standard of 10 parts per billion. While your drinking water meets the standard for arsenic, it does contain low levels of arsenic. The standard balances the current understanding of arsenic’s possible health effects against the costs of removing arsenic from drinking water. EPA continues to research the health effect of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.”

DO I NEED TO TAKE SPECIAL PRECAUTIONS?