

Annual Drinking Water Quality Report for 2015

Lagoon Manor Home Owners Association Town of Bolton, New York Public Water Supply ID #NY5622708

INTRODUCTION

To comply with State and Federal regulations, we 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. This report provides an overview of water quality for 2015. 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 Gregg Sherry, Property Manager at 518-668-9745.

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.

Our water system services 34 service connections. The drinking water source for Lagoon Manor is surface water drawn from Lake George. The intake is located at a depth of approximately 25 feet approximately 250 feet from the shoreline. The source of drinking water is surface water drawn from Lake George. The water is filtered and disinfected with sodium hypochlorite prior to distribution.

The NYS DOH has completed a source water assessment for this system, based on available information. Possible and actual threats to this drinking water source were evaluated. This assessment found no noteworthy risks to source water quality.

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, inorganic compounds, nitrate, principal organic compounds, synthetic organic compounds, disinfection by-products and radiologicals. 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. The table below includes compounds that have been detected in our water system.

It should be noted that all drinking water, including bottled drinking water, may be reasonably 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 New York State Department of Health (NYSDOH) at (518) 793-3893.

Table of Detected Contaminants							
Contaminant	Violation Yes/No	Date of Sample	Level Detected (Avg/Max) (Range)	Unit of Measure	MCLG	Regulatory Limit (MCL, TT or AL)	Likely Source of Contamination
Microbiological Compounds							
Turbidity ¹	No	10/26/15	0.23	NTU	N/A	TT = 1	Soil run-off.
Turbidity	No	2015	100% ≤ 0.3	NTU	N/A	TT = 95% of samples ≤ 0.3 NTU	Soil runoff.
Inorganic Compounds							
Barium	No	4/8/15	6	µg/L	2000	MCL = 2000	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Copper	No	9/22/15	0.698 ² (ND - 0.885 ³)	mg/L	1.3	AL = 1.3	Corrosion of household plumbing systems; Erosion of natural deposits; leaching from wood preservatives.
Fluoride	No	4/8/15	Entry Point 0.144	mg	2.2	MCL=2.2	Erosion of natural deposits; Water additive that promotes strong teeth; Discharge from fertilizer and aluminum factories.

Table of Detected Contaminants							
Contaminant	Violation Yes/No	Date of Sample	Level Detected (Avg/Max) (Range)	Unit of Measure	MCLG	Regulatory Limit (MCL, TT or AL)	Likely Source of Contamination
Lead	No	9/22/15	2.25 ² (ND-4.0 ³)	µg/L	0	AL = 15	Corrosion of household plumbing systems; Erosion of natural deposits.
Nitrate (as Nitrogen)	No	3/16/15	Distribution <1.0 Entry Point 0.167	mg/L	10	MCL = 10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Stage-1 Disinfection Byproducts							
Haloacetic Acids (HAA5s)	No	8/26/15	17.7	µg/L	N/A	MCL = 60	By-product of drinking water disinfection needed to kill harmful organisms.
Trihalomethanes (TTHMs)	No	8/26/15	51.2	µg/L	N/A	MCL = 80	By-product of drinking water chlorination needed to kill harmful organisms. TTHMs are formed when source water contains large amounts of organic matter.
Radiologicals							
Radium 226	No	4/8/15	0.980	pCi/L	0	MCL = 5	Erosion of natural deposits
Radium 228	No	4/8/15	0.900	pCi/L	0	MCL = 5	Erosion of natural deposits

Notes:

- 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 10/26/15. State regulations require that turbidity must always be less than or equal to 5.0 NTU. The regulations require that 95% of the turbidity samples collected have measurements below 1.0 NTU. All of the levels recorded were within the acceptable range allowed and did not constitute a treatment technique violation.
- 2 - During 2015, 5 samples were collected and analyzed for lead and copper. 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 the average of the two highest sample results. The Action Levels for lead and copper were not exceeded at any of the sites tested.
- 3 - This level represents the range of lead and copper sample results.

Definitions:

- Action Level (AL):** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
- 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.
- Micrograms per liter (µg/L):** Corresponds to one part of liquid in one billion parts of liquid (parts per billion-ppb).
- Milligrams per liter (mg/L):** Corresponds to one part of liquid in one million parts of liquid (parts per million-ppm).
- N/A:** Not applicable
- Nephelometric Turbidity Unit (NTU):** A measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.
- Non-Detects (ND):** Laboratory analysis indicates that the constituent is not present.
- Picocuries per liter (pCi/L):** A measure of the radioactivity in water.
- Treatment Technique (TT):** A required process intended to reduce the level of a contaminant in drinking water.

WHAT DOES THIS INFORMATION MEAN?

As you can see by the table, our system had no MCL violations in 2015. We have learned through our testing that some contaminants have been detected; however, these contaminants were detected below the level allowed by the State.

IS OUR WATER SYSTEM MEETING OTHER RULES THAT GOVERN OPERATIONS?

During 2015, our system was in compliance with applicable State drinking water operating, monitoring and reporting requirements.

INFORMATION ON 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. We are 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>.

DO I NEED TO TAKE SPECIAL PRECAUTIONS?

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).

WHY SAVE WATER AND HOW TO AVOID WASTING IT?

There are a number of reasons why it is important to conserve water:

- ◆ Saving water saves energy and some of the costs associated with both of these necessities of life;
- ◆ Saving water reduces the cost of energy required to pump water and the need to construct costly new wells, pumping systems and water towers; and
- ◆ Saving water lessens the strain on the water system during a dry spell or drought.

You can play a role in conserving water by becoming conscious of the amount of water your household is using, and by looking for ways to use less whenever you can. It is not hard to conserve water. Conservation tips include:

- ◆ Automatic dishwashers use 15 gallons for every cycle, regardless of how many dishes are loaded. So get a run for your money and load it to capacity.
- ◆ Turn off the tap when brushing your teeth.
- ◆ Check every faucet in your home for leaks. Just a slow drip can waste 15 to 20 gallons a day. Fix it up and you can save almost 6,000 gallons per year.
- ◆ Check your toilets for leaks by putting a few drops of food coloring in the tank watch for a few minutes to see if the color shows up in the bowl. It is not uncommon to lose up to 100 gallons a day from one of these otherwise invisible toilet leaks. Fix it and you save more than 30,000 gallons a year.

CLOSING

Thank you for allowing us to continue to provide you with quality drinking water this year. We ask that all our customers help us protect our water sources, which are the heart of our community. Please call our office if you have any questions.

This report was prepared for the Lagoon Manor Home Owners Association by:

CNA Environmental, LLC
27 Kent Street, Suite 102, Ballston Spa, New York 12020
(518) 884-0800