

**Annual Drinking Water Quality Report for 2017**  
**Holly Park Terrace**  
**858 Roberts Hollow Road**  
**Lowman, NY 14861**  
**Public Water Supply ID# NY0700777**

**Introduction:**

- To comply with State regulations, Holly Park Terrace 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. 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 Bob Nocchi, water operator, @ 607-565-4535 between 8:00 a.m. and 5:00 p.m. Monday through Fridays or the Chemung County Health Department @ (607) 737-2019.

**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 serves 300 people through 97 service connections. Our water source is obtained from our wells, which are 90 and 97 feet deep. The water is chlorinated prior to distribution to your home. We maintain the proper level of disinfection against microbial contaminants as determined by our chlorine residual sample results that fall within the acceptable range of 0.94 mg/L to 1.15 mg/L with an average of 1.0 mg/L. During 2017, our wells supplied sufficient water to meet our needs.

## **Source Water Assessment:**

- 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. 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 well. The susceptibility rating is an estimate of the potential for contamination of the source 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. The source water assessments provide resource managers with additional information for protecting source waters into the future.
- As mentioned before, our water is derived from 2 drilled wells. The source water assessment has rated these wells as having a medium-high susceptibility to microbials and nitrates. These ratings are due primarily to the close proximity of low intensity residential use in relation to the well. In addition, the well draws from an unconfined aquifer of unknown high hydraulic conductivity. Please note that, while the source water assessment rates our wells as being susceptible to microbials, our water is disinfected to ensure that the finished water delivered to your home meets the New York State drinking water standards for microbial contamination.
- A copy of this 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, inorganic compounds, nitrate, nitrite, principal organic, and synthetic organic compounds. The table presented below depicts which compounds were detected in your drinking water. 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.
- 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 Chemung County Health Department at (607) 737-2019.

**Table of Detected Contaminants 2017 (or last year tested):**

<b>Contaminant</b>	<b>Violation Yes/No</b>	<b>Date of Sample</b>	<b>Level Detected</b>	<b>Unit Measurement</b>	<b>MCLG</b>	<b>Regulatory Limit (MCL or AL)</b>	<b>Likely Source Of Contamination</b>
Barium	No	10/2016	0.098	mg/L	2	2	Erosion of natural Deposits
Copper <b>5 samples</b> <b>Note 1</b>	No	08/2017	90 <sup>th</sup> % = 0.21 Range: 0.02 - 0.24	mg/L	N/A	AL = 1.3	Corrosion of household plumbing system.
Lead <b>5 samples</b> <b>Note 1</b>	No	08/2017	90 <sup>th</sup> % = 6.9 Range: 0.5 – 7.7	ug/L	0	AL = 15	Corrosion of household plumbing system.
Iron	No	03/2016	45	ug/L	N/A	300	Naturally occurring
Nitrate	No	08/2017	1.4	mg/L	10	10	Runoff from fertilizer use; Leaching from septic tank, sewage
Sodium	No	03/2016	24	mg/L	N/A	<b>Note 2</b>	Naturally occurring; use of road salt, water softeners.
Total THMs (Trihalomethanes)	No	08/2016	1.8	ug/L	N/A	80	By-product of drinking water chlorination needed to kill harmful organisms.

**Note 1:** The 90<sup>th</sup> percentile means the average of the highest 2 of the 5 samples tested. In the 2017 test round, none of the samples exceeded the Action Level for Copper or Lead.

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. Holly Park Terrace 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 (1-800-426-4791) or at <http://www.epa.gov/safewater/lead>.

**Note 2:** 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.

## **Definitions:**

**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.

**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).

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

**Not Detected (ND):** The laboratory tested for the contaminant but did not detect it.

**Not Applicable (N/A):** Does not apply; no level has been set by EPA or New York State.

## **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.

## **Is our water system meeting other rules that Govern Operations?**

- During 2016, 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).

## **Why Save Water and How to Avoid Wasting It?**

Although our system has an adequate amount of water to meet present and future demands, there are a number of reasons why it is important to conserve water. It is not hard to conserve water. Conservation tips include:

- 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 your family 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 contact our office if you have questions.

Sincerely yours,

Bob Nocchi  
Water Operator

