

**Annual Drinking Water Quality Report for 2019**  
**Diamond Point Water District**  
**PO Box 392, Old Post Road, Lake George, NY 12845**  
**Public Water Supply ID#NY5600103**

**INTRODUCTION**

To comply with State regulations, Diamond Point 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. Last year, your tap water met all State drinking water health standards. We are proud to report that our system did not violate a maximum contaminant 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: Mr. Joel O'Dell, Water Operator, 20 Old Post Road, Lake George, NY 12845; Telephone (518) 322-7584. We want you to be informed about your drinking water.

**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.

The Diamond Point Water District draws its water from "groundwater" sources. Groundwater or well water is stored below the surface of the earth in deep, porous rocks called "aquifers." Groundwater is purified naturally as it filters through layers of soil, clay, rock and sand. This process, known as "percolation" takes years to complete. As a result, groundwater requires less treatment than surface water. We have two drilled wells located on Watershed Road near the Treatment Building on Water District -owned property. The wells are approximately 195 feet deep, bedrock wells yielding 90 and 100 gallons per minute respectively. Water from the wells is disinfected with sodium hypochlorite prior to distribution to protect against contamination from harmful bacteria and other organisms.

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 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 of a water supply well to contamination is dependent upon both the presence of potential sources of contamination within the well's contributing area and the likelihood that the contamination can travel through the environment to reach 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.

The source water assessment rated our water source as having an elevated susceptibility to microbials and nitrates. These ratings are primarily due to the close proximity of the wells to permitted discharge facilities, industrial/commercial facilities that discharge wastewater into the environment and are regulated by the state and/or federal government and the associated industrial activity in the assessment area. In addition, the wells are high yielding wells and draw from an unconfined aquifer. An unconfined aquifer is a shallow aquifer that occurs immediately below the ground surface and has no overlaying layer for protection from potential sources of contamination. 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 into your home meets New York State's drinking water standards for microbial contamination.

The State Health Departments will use this information to direct future source water protection activities. These may include water quality monitoring, resource management, planning and education programs. A copy of the full Source Water Assessment, including a map of the assessment area, is available for review by contacting us at the number provided in this report.

## **FACTS AND FIGURES**

Our water system serves approximately 145-495 people through 50 service connections. Our average daily demand is 31,490 gallons. Our single highest day was 63,330 gallons. The total water produced in 2019 was 11,552,730 gallons.

## **ARE THERE CONTAMINANTS IN OUR DRINKING WATER?**

As the State regulations require, we routinely test your drinking water for numerous contaminants. These contaminants include: inorganic compounds, nitrate, nitrite, lead and copper, volatile organic compounds, total trihalomethanes, haloacetic acids, radiological and synthetic organic compounds. In addition, we test one sample for coliform bacteria monthly. 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 New York State Department of Health Glens Falls district office at (518) 793-3893.

## **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. To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

## **IS OUR WATER SYSTEM MEETING OTHER RULES THAT GOVERN OPERATIONS?**

During 2019, 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) or at <http://www.epa.gov/safewater>.

## **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. The Diamond Point 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 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>

## **WHY SAVE WATER AND HOW TO AVOID WASTING IT?**

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 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.
- ◆ Use your water meter to detect hidden leaks. Simply turn off all taps and water using appliances, then check the meter after 15 minutes. If it moved, you have a leak.

**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 call our office if you have questions.

TABLE OF DETECTED CONTAMINANTS DIAMOND POINT WATER DISTRICT PWS ID#NY5600103							
Contaminant	Violation Yes/No	Date of Sample	Level Detected	Unit Measurement	MCLG	Regulatory Limit (MCL, TT or AL)	Likely source of Contamination
<b>Inorganic Contaminants</b>							
Barium	N	4/1/19	3.6	ppb	2000	2000	Erosion of natural deposits
Chloride	N	3/20/17	78.2	ppm	N/A	250	Geology; Naturally occurring
Color	N	3/20/17	5	units	N/A	15	Large quantities of organic chemicals, inadequate Natural color may be caused by decaying leaves, plants, and soil organic matter.
Copper Range of values	N	8/7/19	0.125 <sup>1</sup> 0.03-0.14	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits;
Fluoride	N	4/1/19	0.432	ppm	N/A	2200	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Iron	N	3/20/17	35.1	ppb	N/A	300	Geology; Naturally occurring
Lead Range of values	N	8/7/19	1.0 <sup>2</sup> ND-2	ppb	0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits;
pH	N	3/20/17	7.22	units		6.5-8.5	
Sodium <sup>3</sup>	N	3/20/17	35.7	ppm	N/A	N/A	Naturally occurring; Road salt; Water softeners; Animal waste
Sulfate	N	3/20/17	7.77	ppm	N/A	250	Naturally occurring
Zinc	N	3/20/17	38.2	ppb	N/A	5000	Geology; Naturally occurring
<b>Radiological Parameters</b>							
Gross Alpha	N	4/1/19	4.81	pCi/L	0	15	Erosion of natural deposits
<b>Disinfection Byproducts</b>							
Chlorine Residual (average) Range	N	Daily	0.93 0.3-1.3	ppm	MRDLG N/A	MRDL 4	Used in the treatment and disinfection of drinking water
<p><b>Notes:</b></p> <p>1 – The level presented represents the 90th percentile of the 5 samples collected. The number represents the average of the two highest levels detected. The action level for copper was not exceeded at any of the 5 sites tested.</p> <p>2 – The level presented represents the 90th percentile of the 5 samples collected. The number represents the average of the two highest levels detected. The action level for lead was not exceeded at any of the 5 sites tested.</p> <p>3 –Water containing more than 20 mg/l should not be consumed by persons on severely restricted sodium diet.</p>							
<p><b>Glossary</b></p> <p><i>Non-Detects (ND)</i> - laboratory analysis indicates that the constituent is not present.</p> <p><i>Action Level</i> - the concentration of a contaminant, which, if exceeded, triggers treatment, or other requirements, which a water system must follow.</p> <p><i>90<sup>th</sup> Percentile Value</i>- The values reported for lead and copper represent the 90<sup>th</sup> percentile. 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 90<sup>th</sup> percentile is equal to or greater than 90% of the lead and copper values detected at your water system.</p> <p><i>Parts per million (ppm) or Milligrams per liter (mg/l)</i> - one part per million corresponds to one minute in two years or a single penny in \$10,000.</p> <p><i>Parts per billion (ppb) or Micrograms per liter</i> - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.</p> <p><i>Picocuries per liter (pCi/L)</i> - picocuries per liter is a measure of the radioactivity in water.</p> <p><i>Maximum Contaminant Level</i> - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.</p> <p><i>Maximum Contaminant Level Goal</i> The "Goal" (MCLG) is 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.</p> <p><i>Maximum Residual Disinfectant Level (MRDL)</i>: 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.</p> <p><i>Maximum Residual Disinfectant Level Goal (MRDLG)</i>: 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</p> <p><i>N/A-Not applicable</i></p>							