

Annual Drinking Water Quality Report

Town of Henderson Water System

PWSID# 005-0008

June 16, 2021

We're pleased to present to you this year's Annual Drinking Water Quality Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water.

The sources of our drinking water are three wells drilled into the Piney Point aquifer, between 350 and 400 feet below the earth's surface. An aquifer is an underground body of water, which is tapped by drilling wells and pumping the water to the surface for distribution. As water travels over the land or underground it can pick up substances or contaminants such as microbes, inorganic and organic chemicals, and radioactive substances. The 350 to 400 feet of earth between surface sources and this aquifer helps to purify the water before it actually reaches the aquifer, making it easier for us to treat before we pump it into your water distribution system.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man-made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at (1-800-426-4791).

Maximum Contaminant Levels (MCLs) are set at very stringent levels. 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.

We are pleased to report that our drinking water meets Federal and State requirements. The following report is provided in compliance with Federal regulations and will be provided annually each year. This report outlines the quality of our finished drinking water and what that quality means.

The Town of Henderson Water Department routinely monitors for contaminants in your drinking water in accordance with Federal and State laws. The table on the following page shows the results of our monitoring for the period of January 1st to December 31st, 2020. the Town Administrator at (410) 482-2193. We want our valued customers to be informed about the water utility. If you want to learn more, please attend any of our regularly scheduled meetings held on the first Monday of each month at Town Hall at 7:00 PM.

"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 Town of Henderson Water Department 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 drinking 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 EPA Safe Drinking Water Hotline at 1-800-426-4791 or at <http://www.epa.gov/safewater/lead>."

Definitions

In this report you will find some terms and abbreviations that you might not be familiar with. To help you better understand these terms we are providing the following definitions:

Parts per million (ppm): one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb): one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Picocuries per liter (pCi/l): a measure of radioactivity

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 "Maximum Allowed" 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.

Maximum Contaminant Level Goal (MCLG): The "Goal" 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.

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 or (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 contaminants.

Regulated Detected Contaminants Not in Violation of the MCL						
	Contaminant	Highest Level Detected	Unit of Measure	MCL or MRDL	MCLG or MRDLG	Likely Source of Contamination
1.	Lead	2	ppb	15 (AL)	0	Erosion of natural deposits; corrosion of household plumbing systems.
2.	Copper	0.1	ppm	1.3 (AL)	1.3	Erosion of natural deposits; leaching from wood preservatives; corrosion of household plumbing systems.
3.	Chlorine	1.4	ppm	4 (MRDL)	4 (MRDLG)	Water additive used to control microbes
4.	Total Trihalomethanes (TTHM)	1	ppb	80	No goal	By-product of drinking water disinfection.
5.	Arsenic	2	ppb	10	0	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
6.	Chromium	3	ppb	100	100	Discharge from steel and pulp mills; erosion of natural deposits.
7.	Fluoride	2.0	ppm	4.0	4	Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer & aluminum factories.
8.	Beta/photon emitters	6	pCi/L	50	0	Decay of natural and man-made deposits.

The Town of Henderson Water Department is required to provide information on any regulated and unregulated contaminants that were detected in the finished water supply. None of the detected contaminants exceeded the Maximum Contaminant Level (MCLs) and no violations were issued.

- ***This is an alert about your drinking water and a cosmetic dental problem that might affect children under nine years of age. At low levels, fluoride can help prevent cavities, but children drinking water containing more than 2 milligrams per liter of fluoride may develop cosmetic discoloration of their permanent teeth. The drinking water provided by your community water system, Town of Henderson, has a fluoride of 2.4 mg/L (highest detected level). Dental fluorosis, in its moderate or severe forms, may result in a brown staining and or pitting of the permanent teeth. This problem occurs only in developing teeth, before they erupt from the gums. Children under nine should be provided with an alternative source of drinking water or water that has been treated to remove the fluoride to avoid the possibility of staining and pitting of their permanent teeth you may also want to contact your dentist about proper use by young children of the fluoride-containing products. Older children and adults may safely drink the water. Drinking water containing 4 mg/L of fluoride can increase your risk of developing bone disease. Your drinking water does not contain 4 mg/L of fluoride but we're required to notify you when we discover that the fluoride levels in your drinking water exceed 2 mg/L because of this cosmetic dental problem.***
- ***While your drinking water meets EPA standards for arsenic, it does contain low levels of arsenic. EPA's 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 effects 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.***

Some people may be more vulnerable to contaminants 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 about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791). Please call our office if you have questions.

The source water assessment performed by MDE is available upon request, and on the MDE website:
http://www.mde.state.md.us/programs/Water/water_supply/Source_Water_Assessment_Program/Pages/ce.aspx

Town of Henderson Water Department, Phone: (410) 482-2193

Usted puede obtener informacion en espanol por llamar por telefono la casa del ayuntamiento de Town of Henderson a (410) 482-2193.