Maryland
Department of
the Environment

Larry Hogan
Governor

Boyd Rutherford
Lieutenant Governor

Ben Grumbles
Secretary

Consumer Confidence Report Certification

Water Supply System Name: Town of Henderson

PWSID: 005-0008 **County**: Caroline

Consumer Confidence Report due to customers and to MDE no later than July 1st; Certification of Delivery due to MDE no later than October 1st each year.
CCR and Certification are best delivered together by email attachment if possible.

I confirm that the Consumer Confidence Report for the year **2016** has been distributed to customers (and appropriate notices of availability have been given) in accordance with COMAR 26.04.01 by ***July 1, 2016***. I further certify that the report is correct and consistent with compliance monitoring data previously submitted to MDE.

Certified by: **Name** Douglas R. Connell

Signature _____

Title Operations Manager (Miller Environmental Inc.

Phone # 610-301-6739 **Date** May 4, 2017

Specific details on CCR distribution: (***Date*** all that apply)

April 12, 2017 ***Date*** CCR was delivered to MDE.

May 4, 2017 ***Date*** CCR was distributed by mail.

_____ ***Date*** CCR was distributed by other methods. List methods of delivery:_____
☐ Approved electronic delivery plan is on file with MDE. (Check if applicable)
_____ ***Date*** a notice of CCR availability was published.

_____ ***Date*** good faith efforts were used to reach non-bill paying consumers. Those efforts included the following recommended methods:
- _____ ***Date*** of posting the CCR on the Internet at: _____
- _____ ***Date*** of mailing the CCR to postal patrons (bulk mail) within the service area (attach zip codes).
- _____ ***Date*** of advertising availability of the CCR in news media (attach copy of announcement).
- _____ ***Date*** of publication of CCR in local newspaper (attach copy).
- _____ ***Date*** of delivery of multiple copies to single bill addresses serving several persons such as: apartments, businesses, and large private employers.
- _____ ***Date*** of delivery to community organizations (attach a list).

Check violation types addressed:
- ☐ A tier 3 public notice is distributed with the CCR.
- X Monitoring violations are addressed in the CCR.
- ☐ MCL violations are addressed in the CCR.
- ☐ CCR Delivery or Adequacy Violations are addressed in the CCR.

Mandatory for systems serving 100,000 or more persons:
_____ ***Date*** posted CCR on a publicly accessible Internet site. List Internet address: _____
_____ ***Date*** CCR delivered to other agencies or additional methods used. (Optional, attach list or description).

Annual Drinking Water Quality Report

Henderson, Maryland Water System
PWSID#005-0008

April 12, 2017

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 source of our drinking water is three wells drilled into the Piney Point aquifer, an aquifer is an underground body of water, which is tapped by drilling wells and pumping the water to the surface for distribution. 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.

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. This report outlines the quality of our finished drinking water and what that quality means. 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.

If you have any questions about this report or concerning the water utility, please contact 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 fourth Monday of each month at Town Hall at 7:00 PM.

The Henderson water department routinely monitors for contaminants in your drinking water according to Federal and State laws. The tables on the following pages show the results of our monitoring for the period of January 1st to December 31st, 2016. 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.

Definitions

In this report you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

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

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in $10,000.

Parts per billion (ppb) or Micrograms per liter (u/l) - one part per billion corresponds to one minute in 2,000 years, or a single penny in $10,000,000.

Nephelometric Turbidity Unit (NTU) - nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

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

Maximum Contaminant Level - 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.

Maximum Contaminant Level Goal - 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.

Non-Detected Contaminants

The Town of Henderson is only required to provide information on those contaminants it has detected in the finished water supply.

Detected Contaminants not in Violation of the MCL

Contaminant	Level	Unit of Measurement	MCL	MCLG	Likely Source of Contamination
Copper	0.077	ppm	1.3	1.3	Erosion of natural deposits; Leaching from Wood preservatives; Corrosion of household plumbing systems.
Lead	2.0	ppb	15	0	Corrosion of household plumbing systems; Erosion of natural deposits
Arsenic[i]	6.0	ppb	10	0	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
Fluoride	2.46	ppm	4	4	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nitrate	1.48	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks; Erosion of Natural Deposits.
Beta/Photon Emitters	5.5	Pci/L	50	0	Decay of natural and man-made deposits.

[i] While your water meets EPA standards for Arsenic, it does however contain low levels of arsenic. EPAs standard balances the current understanding of arsenic 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.

We are proud that our drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some contaminants have been detected. The EPA has determined that your water IS SAFE at these levels.

Violation Table

Violation Type	Violation Began	Violation End	Violation Explanation
Lead Consumer Notice (LCR)	01/01/2016		We failed to provide the results of lead tap water was tested. These were supposed to be provided
Nitrate	01/01/2016	12/31/2016	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.

"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. [Name of utility] 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."

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).

MCL's 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.

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

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 Town Hall if you have questions.

The Town of Henderson is dedicated to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

The Town of Henderson, Maryland
P.O. Box 10
Henderson, Maryland 21913
Phone (410) 482-2193