

# Annual Drinking Water Quality Report 2024

Unionville Borough Water Public Water System ID# 4140079

Este informe contiene información muy importante sobre su agua de beber. Tradúzcalo o hable con alguien que lo entienda bien. (This report contains very important information about your drinking water. Translate it, or speak with someone who understands it.)

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 goal is to provide a safe and dependable supply of drinking water. We want you to understand the efforts we make to protect our water resources. If you have any questions about this report or your water utility, please contact **Allen Runkle, Water Committee Chairman at 355-0289**.

We are committed to ensuring the quality of your water. Your source for water is **a well located along the Bald Eagle Mountain approximately 200 yards east of Unionville Pike. The well is located and constructed so that it is protected from any potential contamination.**

We want to inform you that 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 (800-426-4791).

## The drinking water in Unionville meets all federal and state requirements.

**Unionville Borough Water** routinely monitors for constituents in your drinking water according to Federal and State laws. The table below shows the results of our monitoring for the period of **January 1<sup>st</sup> to December 31<sup>st</sup>, 2024**. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk.

The Table below lists the contaminants we tested your drinking water for in 2024 and what, if anything, was detected. In this table 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 contaminant is not present at a detectable level.

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

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

**Picocuries per liter (pCi/L)** - picocuries per liter is a measure of the radioactivity in water.

**Action Level (AL)** - 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 (MCL)** - 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 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.

## EPA Lead Statement:

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. Unionville 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 (800-426-4791) or at

<http://www.epa.gov/safewater/lead>

## UNIONVILLE DRINKING WATER TEST RESULTS FOR 2024

TEST RESULTS						
Microbiological Contaminants						
Contaminant (Unit of measurement)	Violation Y/N	Level Detected	Range	MCLG	MCL	Likely Source of Contamination
Total Coliform Bacteria	N	0	0	0	presence of coliform bacteria in 5% of monthly samples	Naturally present in the environment
Fecal coliform and <i>E.coli</i>	N	0	0	0	a routine sample and repeat sample are total coliform positive, and one is also fecal coliform or <i>E. coli</i> positive	Human and animal fecal waste
Lead & Copper Contaminants						
Contaminant (Unit of measurement)	Violation Y/N	Highest Level Detected	Range	MCLG	MCL	Likely Source of Contamination
Copper (ppm) (2022)	N	0.111 ppm	0.027-0.111	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
Lead (2022)	N	0	0	0	AL=15	



2024 TEST RESULTS (CONT.)						
Chemical Contaminants						
Contaminant (Unit of measurement)	Violation Y/N	Level Detected	Range	MCLG	MCL	Likely Source of Contamination
Chlorine (ppm)	N	0.44	0.25 – 0.44	4	4	Water additive to control microbes
Nitrates (ppm)	N	0	N/A	10	10	Runoff from fertilizer use; Leaching from septic tanks; Erosion of natural deposits.
Disinfection By-products Total Tri-Halomethanes (TTHM)	N	0.0028	N/A	0.08	0.08	By-product of drinking water disinfection. (Tested in 2021)
Barium (ppm) (2021)	N	0.0785	N/A	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Entry Point Disinfectant Residual						
Contaminant (Unit of measurement)	Minimum Disinfectant Residual	Lowest Level Detected	Range of Detections	Sample Date lowest level	Violation Y/N	Likely Source of Contamination
Chlorine (ppm)	0.4 ppm	0.40ppm	0.40 – 0.69	08/26/2024	N	Water additive to control microbes

The results listed in the above table show that Unionville did not exceed the allowed limits for any of the constituents detected last year. Also see Other Testing Completed below.

**Violations --.** The Certification for the annual Consumer Newsletter (CCR) for 2022 did not get submitted to PA DEP by the required deadline.

#### **Other Water Testing Completed or Scheduled**

There are many other naturally occurring contaminants in the environment that may be present in drinking water that we are required by PA DEP to monitor for on a varying or rotating basis. **In 2024** no additional water testing was required. **In 2024**, we will test for Volatile Organic Chemicals (VOC's), In-Organic Chemicals (IOC's), and Disinfection By-products (TTHM's & HAA5's). The results of all testing are available to residents upon request.

#### **OTHER INFORMATION**

All sources of drinking water are subject to potential contaminants that are naturally occurring or man made. Those contaminants can be microbes, organic or inorganic chemicals, or radioactive materials. 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 Hotline. 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 activity.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are byproducts of industrial process and petroleum production and mining activities.

We are required to continually monitor for these contaminants on varying schedules as required by the US EPA and the PA DEP.

The officers of your water system work hard to provide a safe and dependable supply of water to all of our neighbors at a reasonable cost. We ask that all our customers help us to protect our water sources, which are the heart of our community, our way of life and our children's future. Please recognize that water is a valuable resource and even though our water supply is abundant, we should all use water wisely, and not unnecessarily waste it. If you have any questions about this report or your water utility, **please feel free to attend the Unionville Borough meetings which are held in the Community Center on the 1<sup>st</sup> Monday of each month.**



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF SAFE DRINKING WATER

## PUBLIC NOTICE

### IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER FAILURE TO MONITOR

**ESTE INFORME CONTIENE INFORMACIÓN IMPORTANTE ACERCA DE SU AGUA POTABLE. HAGA QUE  
ALGUIEN LO TRADUZCA PARA USTED, O HABLE CON ALGUIEN QUE LO ENTIENDA.**

#### Monitoring Requirements Not Met for Unionville Borough Water

Our water system violated several drinking water standards over the past year. Even though these were not emergencies, as our customers, you have a right to know what happened and what we did to correct these situations.

*We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During March of 2025 we failed to monitor for the following contaminants and therefore cannot be sure of the quality of our drinking water during that time.*

#### What should I do?

There is nothing you need to do at this time.

The table below lists the contaminant(s) we did not properly test for during the last year, the required sampling frequency, how many samples we took, when samples should have been taken, and the date on which corrective action samples were (or will be) taken.

Contaminant	Required sampling frequency	Number of samples taken	When all samples should have been taken	When samples were or will be taken
Entry Point Free Chlorine Residual	Daily	0	A sample must be collected each day.	Next Day

#### What happened? What was done? When will it be resolved?

During the power outage that occurred on Monday, March 17, 2025, a daily Free chlorine reading was not collected at the water entry point as is required. A sample was collected the next day, and all subsequent days in March.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

For more information regarding this notice, please contact Alan Runkle at 814-355- 1855.

Certified by:

Signature: 

Date: 6/23/25

Print Name and Title: Alan Runkle, Borough Maintenance

As a representative of the Public Water system indicated above, I certify that public notification addressing the above violation was distributed to all customers in accordance with the delivery requirements outlined in Chapter 25 PA Code 109 Subchapter D of the Department of Environmental Protection (DEP's) regulations. The following methods of distribution were used: \_\_\_\_\_

PWS ID#: 4140079

Date distributed: \_\_\_\_\_