BOWMANSTOWN BOROUGH AUTHORITY
ANNUAL WATER QUALITY REPORT
YEAR 2020
PWSID # 3130021

Este informe contiene información muy importante sobre su agua beber. Tradúzcalo ó hable con alguien que lo entienda bien.

Water System Information:

We are 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 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.

If you have any questions about this report or concerning your water utility, please contact Tara Takerer, Authority Clerk, at (610) 852-2289. We want our valued customers to be informed about their water utility.

Consumer Confidence Report:

Bowmanstown CCR report is available for public view on Bowmanstown Borough's website at bowmanstown.org. Residents please advise the office if you would like a hard copy mailed to you, and you will be added to the mailing list. Homeowners can also become our friend with the Borough on facebook at www.facebook.com/bowmanstown.boro; to obtain a copy of such.

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/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Source of Water:

Our water sources are from two wells located along Fireline Road and Cherry Orchard Road in Lower Towamensing Township. After the water comes out of the wells, we treat it to remove several contaminants and we also add disinfectant to protect you against microbial contaminants.

Board Meetings:

Bowmanstown Borough Authority meets on the **third** Tuesday of each month at 7:00 p.m. in the Borough Hall. Please feel free to participate in these meetings.

Monitoring Your Water:

Bowmanstown Borough Authority's water treatment plant operator, Craig LaBarre of Portland Contractors, routinely monitors for contaminants in your drinking water according to Federal and State laws.

The first table shows the results of our monitoring for the period of January 1, 2020 to December 31, 2020. 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 water poses a health risk. More information about contaminants and potential health effects can be obtained by calling EPA's Safe Drinking Water Hotline (800-426-4791).

The second table below shows the contaminant(s) as they we did test for them but the reports were received late.

Definitions:

In this table, you will find many terms and abbreviations that may be unfamiliar to you. 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 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 corresponds to one minute in 2,000 years, or a single penny in $10,000,000.
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 for which there is no known or expected risk to health. MCLGs allow for a margin of safety.

TEST RESULTS

Inorganic Contaminants

Contaminant (Unit of measurement)

	Violation Y/N	Level Detected	Range	MCLG	MCL	Likely Source of Contamination
****Copper (ppm)** Monitoring frequency; every three years; 2019	N	1.43	(a)	1.3	AL= 1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
****Lead (ppb)** Monitoring frequency; every three years; 2019	N	.005	(b)	15	AL= 15	Corrosion of household plumbing systems, erosion of natural deposits
Haloacetic Acids (HAA) (8/13/2020)	N	.00201		N/a	60	By-product of drinking water disinfection
Total Trihalomethanes (TTHM) (8/13/2020)	N	.00471		N/A	80	By-product of drinking water chlorination
Nitrate (as Nitrogen) (ppm) Nitrite Entry Point #101 **Nitrate** **Nitrite**	Y Y Y Y	1.32 .10	(c)	10 1. 	10 1.	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits. Violation was due to samples not taken in the required time frame. Samples were obtained 1/09/2020 and met drinking water standards
Arsenic/IOC's Monitoring frequency; every three years; 2018	N	.005	c	.010	.010	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Microbial Contaminants Total Coliform Bacteria – tested monthly	N	<1	0-1	0	1	Natural Presents in the Environment
Disinfectant Chlorine (ppm) Monthly	N	.92	N/A	N/A	N/A	Byproduct of drinking water chlorination

****Footnotes**:
(a) Of the ten samples collected, none exceeded the action level. *(b) Of the ten samples collected, none exceeded the action level.* (c) Only one sample required (d) Monthly testing required

What does this mean?

The Copper Levels shown in this testing represent only the copper levels from the home tested and might have been picked up from the copper plumbing in that house. We are no longer using aqua mag in our system; instead we replaced it with zinc orthphosate. Zinc orthophosphate is an effective corrosion inhibitor developed specifically for use in potable industrial water systems. The product is a liquid concentrate of exceptional purity, clarity, and stability.

MCLs are set at very stringent levels for health effects. To understand the possible health effects described for many regulated contaminants, 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.

Important Information about Your Drinking Water:

Our water system violated 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 December 2019 we did not test for nitrate/nitrite in a timely manner, therefore we cannot be sure of the quality of our drinking water during that time. However nitrate/nitrite samples were pulled the first week of January 2020 and samples showed that we met drinking water standards.

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 nitrate/nitrite. The table shows how many samples we are supposed to take, how many samples we took, when samples should have been taken, and the date on which follow-up 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
Nitrate/Nitrite	1	0	December 2019	Oversight; Sample was taken in January 2020 & compliance achieved.

What happened? What was done?

The samples were not taken due to internal issues with the contracted laboratory. We have since taken the required samples, as described in the last column of the table above. The samples showed met drinking water standards.

Summary:

Thank you for allowing us to continue providing your family with clean, quality water this year. In order to maintain a dependable water supply we sometimes need to make improvements that will benefit all of our customers. These improvements are sometimes reflected as rate structure adjustments. Thank you for understanding.

We at Bowmanstown Borough Authority work around the clock 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.

Bowmanstown Borough Authority