

2022 ANNUAL DRINKING WATER QUALITY REPORT

POINT MARION BOROUGH WATER

PWSID # 5260017

POINT MARION, PENNSYLVANIA

Este informe contiene información muy importante sobre su agua de beber. Tradúzcalo ó 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.)*

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 of water and the 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 to protect our water resources. We are committed to ensuring the quality of your water.

If you have any questions about this report or the Point Marion water system, please contact us at (724) 725-9560 or (724) 725-1111. We want our customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held at 6:30 PM on the 2nd and 4th Mondays of each month at the Borough Building, 426 Morgantown Street, Point Marion, Pennsylvania.

Water Supply System

A Source Water Assessment of our source (the Cheat River) was completed in 2002 by the Department of Environmental Protection (PADEP). The Assessment has found that our source is potentially most susceptible to accidental spills from along numerous roads that exist near streams within the Cheat Lake watershed. The heavy boating activities that exist on Cheat Lake is another potential source for a spill. Overall, our source has only a moderate risk of significant contamination. Copies of this report will be available on the PADEP website at <http://www.dep.state.pa.us/dep/deputate/watermgmt/wc/Subjects/SrceProt/SourceAssessment/default.htm> Completed reports were distributed to municipalities, water supplier, local planning agencies and PADEP offices. Copies of the complete report are available for review at the PADEP Pittsburgh Office. In order to ensure that your tap water is safe to drink, the U.S. Environmental Protection Agency (EPA) prescribes regulations that limit the number of certain contaminants in water provided by public water supply systems.

Vulnerability 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 microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

Potential Contaminants

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 human activity. Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, 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, are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems.
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

Contamination Potential

All sources of drinking water are subject to potential contamination by constituents that are naturally occurring or manmade. 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 (800-426-4791) or visiting the EPA Office of Water website at www.epa.gov/OGWDW.

MONITORING YOUR WATER:

We routinely monitor for contaminants in your drinking water according to federal and state laws. On the following pages you will see tables that show the results of our monitoring for the period of January 1 to December 31, 2022. The State allows us to monitor some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data is from prior years in accordance with the Safe Drinking Water Act. The date has been noted on the sampling results table.

DEFINITIONS AND ABBREVIATIONS:

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 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.

Maximum Residual Disinfectant Level Goal (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.

Minimum Residual Disinfectant Level - The minimum level of residual disinfectant required at the entry point to the distribution system.

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

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

Mrem/year = millirems per year (a measure of radiation absorbed by the body)

pCi/L = picocuries per liter (a measure of radioactivity)

ppm = parts per million, or milligrams per liter (mg/l)

ppb = parts per billion, or micrograms per liter (µg/L)

| DETECTED CONTAMINANTS | | | | | | |
|--|---------------|------------------------|---|---------|--------|--|
| Contaminant (Unit of measurement) | Violation Y/N | Highest Level Detected | Range | MCLG | MCL | Likely Source of Contamination |
| Barium (ppm) 4/13/22 | N | 0.0205 | N/A | 2 | 2 | Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits |
| Chlorine (ppm) Distribution (2022) | N | 1.64 (March 2022) | 1.17-1.64 | MRDLG=4 | MRDL=4 | Water additive used to control microbes |
| Haloacetic Acids (HAA) (ppb) (2022) | Y | 43.175 * (3rd Quarter) | 30.30 – 56.10 | N/A | 60 | By-product of drinking water disinfection |
| TTHMs (Total Trihalomethanes) (ppb) (2022) | N | 29.15 * (3rd Quarter) | 10.00 – 49.60 | N/A | 80 | By-product of drinking water chlorination. |
| Total Organic Carbon (ppm) (2022) | N | 35% Removal Required | 27.90 %-61.70 % Achieved ** 0 Quarters out of Compliance in 2022 | N/A | TT | Naturally present in the environment |

*Indicates that these are the highest running annual averages calculated during 2022.

**Compliance is based on alternative compliance criteria (ACC)

| Entry Point Disinfectant Residual | | | | | | | |
|-----------------------------------|-------------------------------|-----------------------|---------------------|-------|--------------------|---------------|--|
| Contaminant | Minimum Disinfectant Residual | Lowest Level Detected | Range of Detections | Units | Lowest Sample Date | Violation Y/N | Sources of Contamination |
| Chlorine (2022) | 0.2 | 1.04 | 1.04-1.95 | ppm | 2/6/22 | N | Water additive used to control microbes. |

| Contaminant | Action Level (AL) | MCLG | 90 th Percentile Value | Units | # of Sites Above AL of Total Sites | Violation of TT Y/N | Sources of Contamination |
|---------------|-------------------|------|-----------------------------------|-------|------------------------------------|---------------------|--|
| Copper (2022) | 1.3 | 1.3 | 0.332 | ppm | 0 out of 40 | N | Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives |
| Lead (2022) | 15 | 0 | 3.13 | ppb | 0 out of 40 | N | Corrosion of household plumbing systems; Erosion of natural deposits |

"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. Point Marion Borough Water 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>."

| Contaminant | MCL | MCL G | Level Detected | Sample Date | Violation of TT Y/N | Source of Contamination |
|-------------|--|-------|----------------|-------------|---------------------|-------------------------|
| Turbidity | TT=1 NTU for a single measurement | 0 | 0.149 NTU | 6/29/22 | N | Soil runoff |
| | TT= at least 95% of monthly samples ≤0.3 NTU | | 99.016 % | June 2022 | N | |

Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system.

Violations: In the 4th quarter of 2021 we failed to monitor for Volatile Organic Chemicals, and Total Coliform, Total Organic Carbon, and Alkalinity in the month of November. Public Notification was to be distributed but was not until March of 2023. We also had a reporting error for Turbidity in May of 2022, and it is being corrected.

Summary

In order to ensure the quality of your tap water, the U.S. Environmental Protection Agency (EPA) prescribes regulations that limit the number of certain contaminants in water provided by public water supply systems. Standards are set in two categories. Primary standards relate to public health. Secondary standards relate to aesthetic qualities, such as taste, odor, and color.

We are proud that your drinking water not only meets but is better than federal and state requirements. Through our monitoring and testing programs, some constituents have been detected; however, the EPA has determined that your water is safe at these levels for the general population.

The Point Marion Water System works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water resources, which are the heart of our community, our way of life, and our children's future.

Landlords, apartment managers, businesses, schools, and others are encouraged to share this Annual Drinking Water Quality Report with all water consumers at their respective locations. We thank you for your cooperation in distributing this important information.