

**2023 Annual Drinking Water Quality Report  
For The Township of Pine Water System  
PWSID # 6430061**

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

We are pleased to present to you this year's Annual 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.

**WATER SYSTEM INFORMATION:**

This report shows our water quality and what it means. If you have any questions about this report or concerning your water utility, please contact the Water Treatment Plant Superintendent at 724-458-9440 or the Borough Manager, Borough of Grove City, 123 West Main Street, Grove City, PA, 16127 or call 724-458-7060.

We want you to be informed about your water supply. If you want to learn more, please attend our regularly scheduled council meetings the third Monday of each month at 7:00 pm in the Borough building.

**SOURCES OF WATER:**

Our water source is the Grove City Water System. Grove City Borough's source of water is three ground water wells. The wells draw from the Homewood sandstone, the upper and lower Connoquenessing sandstone and the Burgoon sandstone formations.

A Source Water Assessment of the Borough's source was completed in 2004 by the PA Department of Environmental Protection (PADEP). The Assessment has found that our source is potentially most susceptible to former and active industrial sites, previous coal mining, and leaks in underground storage tanks. Overall, our source has little risk of significant contamination. Summary reports of the Assessment are available by writing to the Borough Manager, 123 West Main Street, Grove City, PA 16127 and will be available on the PADEP website at [www.dep.state.pa.us](http://www.dep.state.pa.us) (keyword "DEP source water"). Complete reports were distributed to municipalities, water suppliers, local planning agencies and PADEP offices. Copies of the complete report are available for review at the PA DEP Meadville Regional Office. Records Management Unit at 814-332-6942

**IMMUNO-COMPROMISED PERSONS:**

**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).**

## **MONITORING YOUR WATER:**

We routinely monitor for contaminants in your drinking water according to federal and state laws. The following table inserts show the results of our monitoring for the period of January 1 to December 31, 2023. The state allows us to monitor for 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:**

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:

**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 the 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.

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

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

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

**ppb** = parts per billion or micrograms per liter ( $\mu\text{g/L}$ )

**ppm** = parts per million or milligrams per liter ( $\text{mg/L}$ )

**ppq** = parts per quadrillion or picograms per liter

**ppt** = parts per trillion or nanograms per liter

**See Chart Insert:**

## **VIOLATIONS:**

Pine Township had one violation in 2023. The violation was for failure to collect and report a distribution system chlorine residual for a week in September. Pine Township utilizes the services of a contract laboratory to conduct the weekly chlorine and bacteria sampling from their system. The laboratory technician collected the samples for chlorine and bacteria but neglected to record the chlorine residual associated with that sample. The bacteria sample showed no signs of contamination and there is no reason to believe that the chlorine residual was less than the required amount. But since the technician failed to record the result, Pine Township was found to be in violation for failure to monitor for chlorine residual in the distribution system.

The supplier, Grove City Borough, had one violation in 2023. The results of the required Synthetic Organic Compounds (SOCs) testing were not reported to the PA DEP within the required timeframe. Results were subsequently submitted and no SOC's were present. However, this represents a monitoring / reporting violation.

See the tables below for information regarding the Chemical Contaminants detected in 2023 or during the last required sampling event.

**DETECTED SAMPLE RESULTS**

Chemical Contaminants								
Chemical Contaminant	MCL in CCR units	MCLG	Highest Level Detected	Range of Detections	Units	Sample Date	Violation Yes/No	Sources of Contamination
Total Trihalomethanes	0.080	N/A	0.0688	0.0119 - 0.0688	ppm	9/6/22	No	By-Product of drinking water chlorination
Haloacetic Acids 5	0.060	N/A	0.00944	0.00326 - 0.00944	ppm	9/6/23	No	By-Product of drinking water chlorination
Barium	2	2	0.175	0.131 - 0.175	ppm	5/4/21	No	Erosion of natural deposits
Fluoride	2	2	0.32	0 - 0.32	ppm	5/4/21	No	Water additive which promotes strong teeth
Nickel	N/A	N/A	0.00278	0 - 0.00278	ppm	5/4/21	No	Erosion of natural deposits
Gross Alpha Particle Activity	15	0	4.64	0 - 4.64	pCi/L	8/15/23	No	Erosion of natural deposits

Disinfectant Residual								
Contaminant	MRDL in CCR units	MRDLG	Highest Level Detected	Range of Detections	Units	Sample Date	Violation Yes/No	Sources of Contamination
Chlorine	4.0	4.0	1.36	0.69 - 1.36	ppm	November	No	Water additive to control microbes

Lead and Copper						
Contaminant (Unit of measurement)	Action Level (AL)	MCLG	90 <sup>th</sup> Percentile Value	# of Sites above AL of Total Sites	Violation Yes/No	Sources of Contamination
Lead (ppb) 7/26/2023	15	0	0	0 out of 10	No	Corrosion of household plumbing systems, erosion of natural deposits
Copper (ppm) 7/26/2023	1.3	1.3	0.26	0 out of 10	No	Corrosion of household plumbing systems: erosion of natural deposits

#### **EDUCATIONAL INFORMATION:**

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 storm water 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 storm water 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.
- Radioactive contaminants which can be naturally occurring or be the result of oil and gas production and mining activities.

#### **ENVIRONMENTAL PROTECTION AGENCY / FOOD AND DRUG AGENCY:**

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health. 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.

#### **SPECIAL EDUCATIONAL INFORMATION:**

Lead, if present at elevated levels, can cause serious health problems especially for pregnant women and young children. Lead in drinking water is commonly from materials and components associated with service lines and home plumbing. The Borough of Grove City Water Treatment Plant 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. You may wish to have your water tested. Information on lead in drinking water, testing methods and steps you can take to minimize exposure can be found at the Safe Drinking Water Hotline 1-800-426-4791 or at <http://www/epa.gov/safewater/lead>

Nitrate-Nitrite in drinking water at levels above 10 ppm is a health risk for infants of less than 6 months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask for advice from your health care provider.

**PROTECT OUR WATER SOURCE:**

Thank you for allowing us to continue providing your family with clean quality water this year. We at Pine Township 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.

## Consumer Confidence Report (CCR) Certification Form

Name of CWS: Pine Township

PWSID Number: 6430061

The community water system (CWS) named above confirms that its CCR for the period of January 1, 2023 through December 31, 2023 has been distributed to customers (and appropriate notices of availability have been given). The system also confirms that the information in the CCR is correct and consistent with the compliance monitoring data previously submitted to the Pennsylvania Department of Environmental Protection (DEP).

Please check all items that apply to your CCR delivery.

- CCR was distributed by mail.
- CCR was distributed by other direct delivery method(s). (check all that apply):
- Mail notification that CCR is available on website via a direct uniform resource locator (URL)\*  
Direct URL Internet address provided: www.pinetownshipmc.com
  - E-mail – direct URL to CCR\*
  - E-mail – CCR sent as an attachment to the e-mail\*
  - E-mail – CCR sent embedded in the e-mail\*

\* If the CCR was provided electronically, attach a description of how a customer requests a paper copy.

- "Good faith" efforts were used to reach non-bill paying consumers:
- posting the CCR on the Internet at www.pinetownship.org
  - mailing the CCR to postal patrons within the service area (attach a list of zip codes used)
  - advertising the availability of the CCR in news media (attach copy of announcement)
  - publication of CCR in local newspaper (attach copy of newspaper announcement)
  - posting the CCR in public places (attach a list of locations)
  - delivery of multiple copies to single bill addresses serving several persons
  - delivery to community organizations (attach a list)
  - electronic newsletter or listserv (attach a copy of the article or notice)
  - electronic announcement of CCR availability via social media outlets (attach list of outlets utilized)
- The CCR was posted on a publicly-accessible Internet site because this system serves 100,000 or more.  
Internet site address at www.
- Delivered CCR to other agencies as required by the state/primacy agency (attach a list)
- A copy of the CCR and a completed CCR Certification Form have been sent to the DEP district office (or the Allegheny County Health Department) that provides oversight and support of this water system.

Certified by: Signature: Jeanine Thompson Print Name: Jeanine Thompson  
Title: Secretary / Treasurer Phone: 724-458-7229 Date: 5-22-24

**For DEP use only. Checked by:** \_\_\_\_\_ **Date:** \_\_\_\_\_