

# 2020

## ***Penn Township Municipal Authority Well #1-A Consolidated Water System Annual Drinking Water Quality Report***

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 and always has been, to provide to you 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.

***Este informe contiene informacion muy importante sobre su agua potable. Traduzcalo o hable con alguien que lo entienda bien.***

The water source, **Well #1A (PWSID #4550028)** is located approximately three miles northwest of Selinsgrove along State Route 522.

We are pleased to report that our drinking water meets all federal and state requirements set forth by the *Safe Water Drinking Act*.

Penn Township Municipal Authority routinely monitors for constituents in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2020. 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.

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:

***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*** – (mandatory language) the concentration of a contaminant, which, if exceeded, triggers treatment or other requirements that a water system must follow.

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

***Maximum Contaminant Level*** - (mandatory language) 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*** - (mandatory language) 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.

**Maximum Residual Disinfectant Level (MRDL)** - (mandatory language) 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)** - (mandatory language) 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.

Contaminant (units)	Violation	Year Sampled	PTMA result	Range of results	MCLG	MCL	Major Source in Drinking Water
<b>Synthetic Organic Contaminants</b>							
Atrazine	No	2019	ND	0	3	3	Some people who drink water containing atrazine well in excess of the MCL over many years could experience problems with their cardiovascular system or reproductive difficulties.
<b>Radiological Compounds</b>							
Radium228 (pCi/L)	No	2013	1.05	ss	0	5	Erosion of Natural Deposits
<b>Inorganic Compounds</b>							
Barium (ppm)	No	2018	.0581	ss	2	2	Discharge of drilling wastes; discharge from metal refineries; Erosion of natural deposits
Arsenic (ppb)	No	2018	1.56	ss	0	10	Erosion of natural deposits. Runoff from orchards, runoff from glass and electronics production wastes.
Nitrate (as Nitrogen) (ppm)	No	2020	3.12	ss	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
<b>Compounds entering the Distribution system</b>							
Fluoride (ppm)	No	2020	0.68	0.27 to 1.24	2	2	Erosion of natural deposits. Added to promote strong teeth.
Chlorine (ppm)	No	2020	1.51	0.60 to 2.19	MRDLG=4	MRDL=4	Used as a disinfectant
<b>Compounds found in the Distribution system</b>							
Chlorine	No	2020	1.31	1.13 – 1.48	MRDLG=4	MRDL=4	Used as a disinfectant
Trihalomethanes (ppb)	No	2020	23	ss	NA	80	Disinfection by-product
Haloacetic acids (ppb)	No	2020	12	ss	NA	60	Disinfection by-product

## 2020 Lead and Copper- 90<sup>th</sup> Percentile results

Contaminant (units)	Action Level (AL)	MCLG	90 <sup>th</sup> Percentile Value	Units	# of sites above AL of total sites	Violation of TT Y/N	Sources of contamination
Lead (ppb)	15	0	1.15	ppb	0	N	Corrosion of Household plumbing
Copper (ppm)	1.3	1.3	0.672	ppm	0	N	Corrosion of Household plumbing

**Footnotes:**

ss=single sample

## 2020 SAMPLE RESULTS PROVIDED BY SELINGROVE MUNICIPAL AUTHORITY

Contaminant (units)	Violation	Year Sampled	SMA result	Range of results	MCLG	MCL	Major Source in Drinking Water
<b>Radiological Compounds</b>							
Alpha emitters (pCi/L)	No	2014	1.55	1.55	0	15	Erosion of Natural Deposits
Radium-226 (pCi/L)	No	2017	1.77	ss	0	5	Erosion of Natural Deposits
Radium-228 (pCi/L)	No	2017	1.40	ss	0	5	Erosion of Natural Deposits
<b>Inorganic Compounds</b>							
Nitrate (as Nitrogen) (ppm) EP101	No	2020	2.36	ss	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Nitrate (as Nitrogen) (ppm) EP102	No	2020	1.58	ss	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Nitrate (as Nitrogen) (ppm) EP103	No	2020	3.85	3.79 – 3.85	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Fluoride (ppm)	No	2013	0.9	0.9	2	2	Erosion of natural deposits. Added to promote strong teeth

### Source Water Assessment

A Source Water Assessment of our source was completed by the PA Department of Environmental Protection (Pa. DEP). The Assessment has found that our source is potentially most susceptible to industry discharge that has water pollution control facilities. 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 Regional Office, Records Management Unit at (570) 327-3636.

### Violations for 2020

As you can see by the table, our system had no MCL violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some constituents have been detected.

All sources of drinking water are subject to potential contamination by constants that are naturally occurring or man-made. Those constituents can be microbes, organic or inorganic chemicals, or

radioactive materials. 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 for health effects. 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.

**Nitrates:** As a precaution, we always notify physicians and health care providers in this area if there is ever a higher-than-normal level of nitrates in the water supply.

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).

We are required by the Pennsylvania Department of Environmental Protection Agency (DEP) to collect one sample for analysis of Coliform bacteria per month. We are pleased to announce that there was **only 1** test result that showed Coliform bacteria detected in all of the samples collected. We immediately collected 3 more bacteria samples near this location approved by DEP. Those samples came back negative for Coliform bacteria. We are also required by DEP to have a chlorine residual equivalent to a trace or greater. In efforts to better serve you, our valued customer, and after careful preparation, the Penn Township Municipal Authority began fluoridating the consolidated water system in March 2002.

Thank you for allowing us to continue providing your family with clean, quality water this year. In order to maintain a safe and 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.

### **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 Atrazine**

##### **What should I do?**

There is nothing you need to do at this time.

The table below lists the contaminant we did not properly test for during the last year, how often we are supposed to sample for Atrazine and 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 required	Number of samples taken	When all samples should have been taken	When samples were or will be taken
Atrazine	Annual	1	0	January-December 2020	January 2021

### What happened? What was done?

Due to a detect of Atrazine in 2018 that was just above the detect 2019 we had to collect quarterly Atrazine samples. All of 2019's samples came back non detect. Because we had a detect we need to still sample Atrazine annually moving forward. In 2020 this was not done.

We collected the Atrazine sample for 2020 on January 21<sup>st</sup>, 2021 as soon as we noticed the issue. The sample was non-detect. Another sample will be collected in the second quarter of 2021 to meet this year's sample requirements

### Water and Sewer Payments

Due to new banking procedures at the Northumberland National Bank (NNB), PTMA will no longer accept PTMA water and sewer bill payments made in-person at a NNB branch office. Please remember that we do **not** accept water and sewer bill payments at the PTMA office, the Penn Township Supervisors' office, or the Penn Township Supervisors' lock box. **All payments must be MAILED to:**

**PTMA  
P.O. Box 155  
Selinsgrove, PA 17870**

All payments must be made in the form of a check, money order or certified check. For security reasons, cash is **not** accepted. To ensure that your payment is correctly applied to your PTMA account, please be sure to enclose your bar-coded stub located at the bottom of your invoice. We apologize for any inconvenience this may cause.

### Contact Information

If you have any questions about this report or concerning your water service, please contact:

Susan Seebold, Administrative Secretary  
Penn Township Municipal Authority  
P.O. Box 155  
Selinsgrove, PA 17870  
(570) 374-8256  
ptma17870@gmail.com

The Penn Township Municipal Authority office is located at 2595 Route 522, Suite 10, Selinsgrove, PA 17870 and is open from Monday through Friday, 9:00 a.m. to 3:30 p.m. The Authority's monthly meetings are open to the public and are held in the Authority office usually on the first Thursday of each month. For up-to-date PTMA information and a list of PTMA meeting dates, please check out our web site at [www.penntwp-ma.com](http://www.penntwp-ma.com).

We at the Penn Township Municipal Authority work 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.