

South Pymatuning Township

Annual Drinking Water Quality Report

2021 Calendar Year PWSID: 6430077 Prepared May 2022

We are pleased to present to you this year's "Annual Drinking Water Quality Report". (*Este informe contiene informante sobre su agua potable. Tradúzalo o hable con alguien que lo entienda bien.*) This report is designed to inform you about the quality of water and services that 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 quality of your water and to protect our water resources.

The South Pymatuning Township purchases bulk water from the Borough of Sharpsville who purchased water from Aqua Pennsylvania's Shenango Valley Division (Aqua). Water for the Shenango Valley Division comes from the Shenango River, which is fed by a 650-square mile watershed located north of Sharon, Pennsylvania. A Source Water Assessment of the Shenango River was completed in 2003 by the Pennsylvania Department of Environmental Protection (DEP). Information on the source water assessment is available on the DEP website at www.dep.state.pa.us (DEP keyword ("source water")). Our complete "Annual Drinking Water Quality Report" are available at the South Pymatuning Township Building located at 3483 Tamarack Drive, Sharpsville, Pa. 16150 or on the South Pymatuning Township website at www.southpy.com. Complete reports are also available for review at the DEP Northwest Regional Office, 814-332-6899.

Monitoring Requirements

The South Pymatuning Township routinely monitors for contaminants in your drinking water according to the Annual Monitoring Calendar provided by the Pennsylvania Department of Environmental Protection. The table on the following pages show the results of our monitoring for the period of 01/01/2021 – 12/31/2021. The PADEP allows us to monitor for some contaminants less than once per year because the concentrations of the contaminants do not change frequently. Some of our data, though representative are more than one year old.

In order to ensure that tap water is safe to drink, the EPA has a prescribed Maximum Contaminant Level (MCLs) that limit the amount of certain contaminants in water provided by public water systems. MCLs are set at a very stringent levels for health effects. To understand the possible health effects described for many regulated constituents, a person would have to drink two liters of water everyday at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effects.

The following tables compare those contaminants found to be present in the system's water with the MCL for that substance. If the contaminant exceeds the MCL at any time, a violation is said to occur.

Closing

The South Pymatuning Township would like to thank you for allowing us to provide your family or business with clean, quality water. In order to maintain a dependable water supply we sometimes need to make improvements that will benefit all of our customers. The Township endeavors to make improvements to the water distribution system are ongoing and continue on a regular basis. These improvements will be reflected as rate adjustments. We appreciate your understanding and cooperation.

If you have any questions about this report or concerns about your water utility, please contact Matthew Chalupka, Chairperson at (724)-962-7856 between the hours of 9:00am and 2:00pm Monday thru Thursday.

We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of the regularly scheduled meetings. They are held on the second Wednesday of each month (unless publicly posted otherwise) at 7:00pm at the South Pymatuning Township Municipal Building located at 3483 Tamarack Drive, Sharpsville, Pa. 16150

Thank you!

South Pymatuning Township



_____ 2021 _____ **ANNUAL DRINKING WATER QUALITY REPORT**

PWSID #: 6430077 _____ **NAME:** South Pymatuning Township _____

Este informe contiene información importante acerca de su agua potable. Haga que alguien lo traduzca para usted, ó hable con alguien que lo entienda. (This report contains important information about your drinking water. Have someone translate it for you, or speak with someone who understands it.)

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 Burt DeVries _____ at South Pymatuning Township Building by calling 724-962-7856 _____. We want you to be informed about your water supply. If you want to learn more, please attend any of our regularly scheduled meetings. They are held the South Pymatuning Township Building located at 3483 Tamarack Drive, Sharpsville, Pa. the second Wednesday or every month at 5pm. _____

SOURCE(S) OF WATER:

Our water source(s) is/are: (Name-Type-Location)

Our water source is the Shenango River. South Pymatuning Township purchases water from The Borough of Sharpsville, (PWSID #6430055), who purchases bulk water from Aqua Pennsylvania's Shenango Valley Division, (PWSID #6430054), (Aqua). Water from the Shenango Division comes from the Shenango River, which is fed by a 650 square mile watershed located North of Sharon, Pa. _____

A Source Water Assessment of our source(s) was completed by the PA Department of Environmental Protection (Pa. DEP). The Assessment has found that our source(s) of is/are potentially most susceptible to [insert potential Sources of Contamination listed in your Source Water Assessment Summary]. Overall, our source(s) has/have [little, moderate, high] risk of significant contamination. A summary report of the Assessment is available on the Source Water Assessment Summary Reports eLibrary web page: www.elibrary.dep.state.pa.us/dsweb/View/Collection-10045. Complete reports were distributed to municipalities, water supplier, local planning agencies and PADEP offices. Copies of the complete report are available for review at the Pa. DEP Northeast Regional Office, Records Management Unit at (814) 332-6899.

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).

MONITORING YOUR WATER:

We routinely monitor for contaminants in your drinking water according to federal and state laws. The following tables show the results of our monitoring for the period of January 1 to December 31, 2021. 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:

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 (MinRDL) - The minimum level of residual disinfectant required at the entry point to the distribution system.

Level 1 Assessment – A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

Level 2 Assessment – A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an *E. coli* MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

Treatment Technique (TT) - 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 (mg/L)

ppq = parts per quadrillion, or picograms per liter

ppt = parts per trillion, or nanograms per liter

Total Organic Carbon (TOC)					
Contaminant	Range of % Removal Required	Range of percent removal achieved	Number of quarters out of compliance	Violation Y/N	Sources of Contamination
TOC (Aqua)	35-45	30.8-50.	0	N	Naturally present in the environment

DETECTED CONTAMINANTS HEALTH EFFECTS LANGUAGE AND CORRECTIVE ACTIONS:

No violations took place. As such, no health effects are noted.

OTHER VIOLATIONS:

South Pymatuning Township had no other violations in 2021.

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 stormwater run-off, 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 by-products 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.

In order to ensure that tap water is safe to drink, EPA and DEP prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA and DEP 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 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).

Information about Lead

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. South Pymatuning Township _____ 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>.

OTHER INFORMATION:

The Borough of Sharpsville, PWSID: 6430055 and the Shenango Valley Division of Aqua Pennsylvania, PWSID: 6430054, provided South Pymatuning Township PWSID: 6430077 with water quality information monitored during 2021. The information is attached as part of "South Pymatuning Township's Annual Drinking Water Quality Report".

Detail Sample Information: 01JAN2021 - 31DEC2021

↳ PWSID	↳ SYSTEM NAME	↳ SAMPLE LOCATION	↳ CONTAMINANT	↳ ANALYSIS RESULT	↳ MCL IN EFFECT	↳ SAMPLE DATE	↳ SAMPLE TYPE	↳ LABORATORY
6430077	SOUTH PYMATUNING	701	TOTAL CHLORINE	2.2	.	01/05/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	703	TOTAL CHLORINE	2.2	.	01/06/2021	DISTRIBUTION	AQUA PENNSYLVANIA - SHE
6430077	SOUTH PYMATUNING	703	TOTAL COLIFORM PRESENCE	0	.	01/06/2021	DISTRIBUTION	AQUA PENNSYLVANIA - SHE
6430077	SOUTH PYMATUNING	701	CHLOROFORM (THM)	0.0145	.	01/11/2021	DISTRIBUTION	AQUA PENNSYLVANIA, INC
6430077	SOUTH PYMATUNING	701	BROMOFORM (THM)	0	.	01/11/2021	DISTRIBUTION	AQUA PENNSYLVANIA, INC
6430077	SOUTH PYMATUNING	701	BROMODICHLOROMETHANE (THM)	0.0041	.	01/11/2021	DISTRIBUTION	AQUA PENNSYLVANIA, INC
6430077	SOUTH PYMATUNING	701	CHLORODIBROMOMETHANE (THM)	0.0005	.	01/11/2021	DISTRIBUTION	AQUA PENNSYLVANIA, INC
6430077	SOUTH PYMATUNING	701	TRIHALOMETHANES	0.0191	0.08	01/11/2021	DISTRIBUTION	AQUA PENNSYLVANIA, INC
6430077	SOUTH PYMATUNING	702	MONOCHLOROACETIC ACID	0	.	01/11/2021	DISTRIBUTION	AQUA PENNSYLVANIA, INC
6430077	SOUTH PYMATUNING	702	DICHLOROACETIC ACID	0.0144	.	01/11/2021	DISTRIBUTION	AQUA PENNSYLVANIA, INC
6430077	SOUTH PYMATUNING	702	TRICHLOROACETIC ACID	0.0102	.	01/11/2021	DISTRIBUTION	AQUA PENNSYLVANIA, INC
6430077	SOUTH PYMATUNING	702	MONOBROMOACETIC ACID	0	.	01/11/2021	DISTRIBUTION	AQUA PENNSYLVANIA, INC
6430077	SOUTH PYMATUNING	702	DIBROMOACETIC ACID	0	.	01/11/2021	DISTRIBUTION	AQUA PENNSYLVANIA, INC
6430077	SOUTH PYMATUNING	702	HALOACETIC ACIDS (FIVE)	0.0246	0.06	01/11/2021	DISTRIBUTION	AQUA PENNSYLVANIA, INC
6430077	SOUTH PYMATUNING	703	MONOCHLOROACETIC ACID	0.0016	.	01/11/2021	DISTRIBUTION	AQUA PENNSYLVANIA, INC
6430077	SOUTH PYMATUNING	703	DICHLOROACETIC ACID	0.0146	.	01/11/2021	DISTRIBUTION	AQUA PENNSYLVANIA, INC
6430077	SOUTH PYMATUNING	703	TRICHLOROACETIC ACID	0.01	.	01/11/2021	DISTRIBUTION	AQUA PENNSYLVANIA, INC
6430077	SOUTH PYMATUNING	703	MONOBROMOACETIC ACID	0	.	01/11/2021	DISTRIBUTION	AQUA PENNSYLVANIA, INC
6430077	SOUTH PYMATUNING	703	DIBROMOACETIC ACID	0	.	01/11/2021	DISTRIBUTION	AQUA PENNSYLVANIA, INC
6430077	SOUTH PYMATUNING	703	HALOACETIC ACIDS (FIVE)	0.0262	0.06	01/11/2021	DISTRIBUTION	AQUA PENNSYLVANIA, INC
6430077	SOUTH PYMATUNING	703	CHLOROFORM (THM)	0.0145	.	01/11/2021	DISTRIBUTION	AQUA PENNSYLVANIA, INC
6430077	SOUTH PYMATUNING	703	BROMOFORM (THM)	0	.	01/11/2021	DISTRIBUTION	AQUA PENNSYLVANIA, INC
6430077	SOUTH PYMATUNING	703	BROMODICHLOROMETHANE (THM)	0.0041	.	01/11/2021	DISTRIBUTION	AQUA PENNSYLVANIA, INC
6430077	SOUTH PYMATUNING	703	CHLORODIBROMOMETHANE (THM)	0.0006	.	01/11/2021	DISTRIBUTION	AQUA PENNSYLVANIA, INC
6430077	SOUTH PYMATUNING	703	TRIHALOMETHANES	0.0192	0.08	01/11/2021	DISTRIBUTION	AQUA PENNSYLVANIA, INC
6430077	SOUTH PYMATUNING	702	TOTAL CHLORINE	1.98	.	01/12/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	703	TOTAL CHLORINE	1.95	.	01/19/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	801	TOTAL CHLORINE	2.08	.	01/26/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	802	TOTAL CHLORINE	2.12	.	02/02/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	801	TOTAL CHLORINE	2.2	.	02/09/2021	DISTRIBUTION	AQUA PENNSYLVANIA - SHE
6430077	SOUTH PYMATUNING	801	TOTAL COLIFORM PRESENCE	0	.	02/09/2021	DISTRIBUTION	AQUA PENNSYLVANIA - SHE
6430077	SOUTH PYMATUNING	803	TOTAL CHLORINE	2.1	.	02/09/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	701	TOTAL CHLORINE	2.08	.	02/16/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	702	TOTAL CHLORINE	2	.	02/23/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	703	TOTAL CHLORINE	2.08	.	03/02/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	801	TOTAL CHLORINE	2.2	.	03/09/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	703	TOTAL CHLORINE	2.2	.	03/10/2021	DISTRIBUTION	AQUA PENNSYLVANIA - SHE
6430077	SOUTH PYMATUNING	703	TOTAL COLIFORM PRESENCE	0	.	03/10/2021	DISTRIBUTION	AQUA PENNSYLVANIA - SHE
6430077	SOUTH PYMATUNING	802	TOTAL CHLORINE	2.18	.	03/16/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	803	TOTAL CHLORINE	2.14	.	03/23/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	701	TOTAL CHLORINE	2.18	.	03/30/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	701	TOTAL CHLORINE	2.16	.	04/06/2021	DISTRIBUTION	AQUA PENNSYLVANIA - SHE
6430077	SOUTH PYMATUNING	701	TOTAL COLIFORM PRESENCE	0	.	04/06/2021	DISTRIBUTION	AQUA PENNSYLVANIA - SHE
6430077	SOUTH PYMATUNING	702	TOTAL CHLORINE	2	.	04/06/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	701	CHLOROFORM (THM)	0.0199	.	04/08/2021	DISTRIBUTION	ANALYTICAL LABORATORY .
6430077	SOUTH PYMATUNING	701	BROMOFORM (THM)	0	.	04/08/2021	DISTRIBUTION	ANALYTICAL LABORATORY .
6430077	SOUTH PYMATUNING	701	BROMODICHLOROMETHANE (THM)	0.0081	.	04/08/2021	DISTRIBUTION	ANALYTICAL LABORATORY .
6430077	SOUTH PYMATUNING	701	CHLORODIBROMOMETHANE (THM)	0.0015	.	04/08/2021	DISTRIBUTION	ANALYTICAL LABORATORY .
6430077	SOUTH PYMATUNING	701	TRIHALOMETHANES	0.0295	0.08	04/08/2021	DISTRIBUTION	ANALYTICAL LABORATORY .

PWSID	SYSTEM NAME	SAMPLE LOCATION	CONTAMINANT	ANALYSIS RESULT	MCL IN EFFECT	SAMPLE DATE	SAMPLE TYPE	LABORATORY
6430077	SOUTH PYMATUNING	702	MONOCHLOROACETIC ACID	0	.	04/08/2021	DISTRIBUTION	ANALYTICAL LABORATORY :
6430077	SOUTH PYMATUNING	702	DICHLOROACETIC ACID	0.014	.	04/08/2021	DISTRIBUTION	ANALYTICAL LABORATORY :
6430077	SOUTH PYMATUNING	702	TRICHLOROACETIC ACID	0.0126	.	04/08/2021	DISTRIBUTION	ANALYTICAL LABORATORY :
6430077	SOUTH PYMATUNING	702	MONOBROMOACETIC ACID	0	.	04/08/2021	DISTRIBUTION	ANALYTICAL LABORATORY :
6430077	SOUTH PYMATUNING	702	DIBROMOACETIC ACID	0	.	04/08/2021	DISTRIBUTION	ANALYTICAL LABORATORY :
6430077	SOUTH PYMATUNING	702	HALOACETIC ACIDS (FIVE)	0.0266	0.06	04/08/2021	DISTRIBUTION	ANALYTICAL LABORATORY :
6430077	SOUTH PYMATUNING	703	MONOCHLOROACETIC ACID	0	.	04/08/2021	DISTRIBUTION	ANALYTICAL LABORATORY :
6430077	SOUTH PYMATUNING	703	DICHLOROACETIC ACID	0.0131	.	04/08/2021	DISTRIBUTION	ANALYTICAL LABORATORY :
6430077	SOUTH PYMATUNING	703	TRICHLOROACETIC ACID	0.0114	.	04/08/2021	DISTRIBUTION	ANALYTICAL LABORATORY :
6430077	SOUTH PYMATUNING	703	MONOBROMOACETIC ACID	0	.	04/08/2021	DISTRIBUTION	ANALYTICAL LABORATORY :
6430077	SOUTH PYMATUNING	703	DIBROMOACETIC ACID	0	.	04/08/2021	DISTRIBUTION	ANALYTICAL LABORATORY :
6430077	SOUTH PYMATUNING	703	HALOACETIC ACIDS (FIVE)	0.0245	0.06	04/08/2021	DISTRIBUTION	ANALYTICAL LABORATORY :
6430077	SOUTH PYMATUNING	703	CHLOROFORM (THM)	0.0205	.	04/08/2021	DISTRIBUTION	ANALYTICAL LABORATORY :
6430077	SOUTH PYMATUNING	703	BROMOFORM (THM)	0	.	04/08/2021	DISTRIBUTION	ANALYTICAL LABORATORY :
6430077	SOUTH PYMATUNING	703	BROMODICHLOROMETHANE (THM)	0.0082	.	04/08/2021	DISTRIBUTION	ANALYTICAL LABORATORY :
6430077	SOUTH PYMATUNING	703	CHLORODIBROMOMETHANE (THM)	0.0015	.	04/08/2021	DISTRIBUTION	ANALYTICAL LABORATORY :
6430077	SOUTH PYMATUNING	703	TRIALOMETHANES	0.0302	0.08	04/08/2021	DISTRIBUTION	ANALYTICAL LABORATORY :
6430077	SOUTH PYMATUNING	703	TOTAL CHLORINE	2.1	.	04/13/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	801	TOTAL CHLORINE	2.16	.	04/20/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	802	TOTAL CHLORINE	1.98	.	04/27/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	703	TOTAL CHLORINE	1.8	.	05/04/2021	DISTRIBUTION	AQUA PENNSYLVANIA - SHE
6430077	SOUTH PYMATUNING	703	TOTAL COLIFORM PRESENCE	0	.	05/04/2021	DISTRIBUTION	AQUA PENNSYLVANIA - SHE
6430077	SOUTH PYMATUNING	803	TOTAL CHLORINE	1.89	.	05/04/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	701	TOTAL CHLORINE	1.7	.	05/11/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	702	TOTAL CHLORINE	1.84	.	05/18/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	703	TOTAL CHLORINE	1.92	.	05/25/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	801	TOTAL CHLORINE	1.82	.	06/01/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	802	TOTAL CHLORINE	1.86	.	06/08/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	802	TOTAL CHLORINE	1.8	.	06/09/2021	DISTRIBUTION	AQUA PENNSYLVANIA - SHE
6430077	SOUTH PYMATUNING	802	TOTAL COLIFORM PRESENCE	0	.	06/09/2021	DISTRIBUTION	AQUA PENNSYLVANIA - SHE
6430077	SOUTH PYMATUNING	803	TOTAL CHLORINE	1.82	.	06/15/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	701	TOTAL CHLORINE	1.88	.	06/22/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	702	TOTAL CHLORINE	1.94	.	06/29/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	703	TOTAL CHLORINE	1.82	.	07/06/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	702	TOTAL CHLORINE	2.15	.	07/07/2021	DISTRIBUTION	AQUA PENNSYLVANIA - SHE
6430077	SOUTH PYMATUNING	702	TOTAL COLIFORM PRESENCE	0	.	07/07/2021	DISTRIBUTION	AQUA PENNSYLVANIA - SHE
6430077	SOUTH PYMATUNING	701	CHLOROFORM (THM)	0.0343	.	07/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	701	BROMOFORM (THM)	0	.	07/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	701	BROMODICHLOROMETHANE (THM)	0.0103	.	07/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	701	CHLORODIBROMOMETHANE (THM)	0.002	.	07/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	701	TRIALOMETHANES	0.0465	0.08	07/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	702	MONOCHLOROACETIC ACID	0	.	07/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	702	DICHLOROACETIC ACID	0.012	.	07/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	702	TRICHLOROACETIC ACID	0.014	.	07/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	702	MONOBROMOACETIC ACID	0	.	07/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	702	DIBROMOACETIC ACID	0	.	07/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	702	HALOACETIC ACIDS (FIVE)	0.0261	0.06	07/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	703	MONOCHLOROACETIC ACID	0	.	07/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	703	DICHLOROACETIC ACID	0.017	.	07/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	703	TRICHLOROACETIC ACID	0.015	.	07/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	703	MONOBROMOACETIC ACID	0	.	07/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	703	DIBROMOACETIC ACID	0	.	07/12/2021	DISTRIBUTION	M J REIDER ASSOC INC

PWSID	SYSTEM NAME	SAMPLE LOCATION	CONTAMINANT	ANALYSIS RESULT	MCL IN EFFECT	SAMPLE DATE	SAMPLE TYPE	LABORATORY
6430077	SOUTH PYMATUNING	703	HALOACETIC ACIDS (FIVE)	0.0321	0.06	07/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	703	CHLOROFORM (THM)	0.0312	.	07/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	703	BROMOFORM (THM)	0	.	07/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	703	BROMODICHLOROMETHANE (THM)	0.0092	.	07/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	703	CHLORODIBROMOMETHANE (THM)	0.0019	.	07/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	703	TRIHALOMETHANES	0.0424	0.08	07/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	801	TOTAL CHLORINE	1.88	.	07/13/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	802	TOTAL CHLORINE	1.9	.	07/20/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	803	TOTAL CHLORINE	1.79	.	07/27/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	701	TOTAL CHLORINE	1.88	.	08/03/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	803	TOTAL CHLORINE	1.64	.	08/05/2021	DISTRIBUTION	AQUA PENNSYLVANIA - SHE
6430077	SOUTH PYMATUNING	803	TOTAL COLIFORM PRESENCE	0	.	08/05/2021	DISTRIBUTION	AQUA PENNSYLVANIA - SHE
6430077	SOUTH PYMATUNING	702	TOTAL CHLORINE	1.98	.	08/10/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	703	TOTAL CHLORINE	1.79	.	08/17/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	801	TOTAL CHLORINE	1.86	.	08/24/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	802	TOTAL CHLORINE	1.88	.	08/31/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	803	TOTAL CHLORINE	1.62	.	09/07/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	801	TOTAL CHLORINE	1.94	.	09/08/2021	DISTRIBUTION	AQUA PENNSYLVANIA - SHE
6430077	SOUTH PYMATUNING	801	TOTAL COLIFORM PRESENCE	0	.	09/08/2021	DISTRIBUTION	AQUA PENNSYLVANIA - SHE
6430077	SOUTH PYMATUNING	701	TOTAL CHLORINE	1.8	.	09/14/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	702	TOTAL CHLORINE	1.86	.	09/21/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	703	TOTAL CHLORINE	1.89	.	09/28/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	703	TOTAL CHLORINE	1.49	.	10/04/2021	DISTRIBUTION	AQUA PENNSYLVANIA - SHE
6430077	SOUTH PYMATUNING	703	TOTAL COLIFORM PRESENCE	0	.	10/04/2021	DISTRIBUTION	AQUA PENNSYLVANIA - SHE
6430077	SOUTH PYMATUNING	801	TOTAL CHLORINE	1.68	.	10/05/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	701	CHLOROFORM (THM)	0.0704	.	10/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	701	BROMOFORM (THM)	0	.	10/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	701	BROMODICHLOROMETHANE (THM)	0.0124	.	10/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	701	CHLORODIBROMOMETHANE (THM)	0.0009	.	10/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	701	TRIHALOMETHANES	0.0838	0.08	10/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	702	MONOCHLOROACETIC ACID	0	.	10/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	702	DICHLOROACETIC ACID	0.023	.	10/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	702	TRICHLOROACETIC ACID	0.029	.	10/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	702	MONOBROMOACETIC ACID	0	.	10/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	702	DIBROMOACETIC ACID	0	.	10/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	702	HALOACETIC ACIDS (FIVE)	0.0527	0.06	10/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	703	MONOCHLOROACETIC ACID	0	.	10/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	703	DICHLOROACETIC ACID	0.024	.	10/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	703	TRICHLOROACETIC ACID	0.031	.	10/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	703	MONOBROMOACETIC ACID	0	.	10/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	703	DIBROMOACETIC ACID	0	.	10/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	703	HALOACETIC ACIDS (FIVE)	0.0543	0.06	10/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	703	CHLOROFORM (THM)	0.0706	.	10/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	703	BROMOFORM (THM)	0	.	10/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	703	BROMODICHLOROMETHANE (THM)	0.0122	.	10/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	703	CHLORODIBROMOMETHANE (THM)	0.0009	.	10/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	703	TRIHALOMETHANES	0.0838	0.08	10/12/2021	DISTRIBUTION	M J REIDER ASSOC INC
6430077	SOUTH PYMATUNING	802	TOTAL CHLORINE	1.72	.	10/12/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	803	TOTAL CHLORINE	1.8	.	10/19/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	701	TOTAL CHLORINE	1.8	.	10/26/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	702	TOTAL CHLORINE	1.74	.	11/02/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	801	TOTAL CHLORINE	2.1	.	11/04/2021	DISTRIBUTION	AQUA PENNSYLVANIA - SHE

PWSID	SYSTEM NAME	SAMPLE LOCATION	CONTAMINANT	ANALYSIS RESULT	MCL IN EFFECT	SAMPLE DATE	SAMPLE TYPE	LABORATORY
6430077	SOUTH PYMATUNING	801	TOTAL COLIFORM PRESENCE	0	.	11/04/2021	DISTRIBUTION	AQUA PENNSYLVANIA - SHE
6430077	SOUTH PYMATUNING	703	TOTAL CHLORINE	1.7	.	11/09/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	801	TOTAL CHLORINE	1.88	.	11/16/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	802	TOTAL CHLORINE	1.84	.	11/23/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	803	TOTAL CHLORINE	1.76	.	11/30/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	703	TOTAL CHLORINE	2.2	.	12/02/2021	DISTRIBUTION	AQUA PENNSYLVANIA - SHE
6430077	SOUTH PYMATUNING	703	TOTAL COLIFORM PRESENCE	0	.	12/02/2021	DISTRIBUTION	AQUA PENNSYLVANIA - SHE
6430077	SOUTH PYMATUNING	701	TOTAL CHLORINE	2.1	.	12/07/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	702	TOTAL CHLORINE	2.05	.	12/14/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	703	TOTAL CHLORINE	2.1	.	12/21/2021	DISTRIBUTION	05844
6430077	SOUTH PYMATUNING	801	TOTAL CHLORINE	1.96	.	12/28/2021	DISTRIBUTION	05844

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Detail Sample Information: 01JAN2021 - 31DEC2021

Laboratory ID	Analysis Method	Analysis Date	Sample Received Date
05844	DPD-SM 4500 CL G 21ST	11/23/2021	12/02/2021
05844	DPD-SM 4500 CL G 21ST	11/30/2021	12/02/2021
AQUA PENNSYLVANIA - SHENANGO	DPD-SM 4500 CL G 21ST	12/02/2021	01/07/2022
AQUA PENNSYLVANIA - SHENANGO	GWR-ONPG-MUG (MMO-MUG)	12/02/2021	01/07/2022
05844	DPD-SM 4500 CL G 21ST	12/07/2021	01/04/2022
05844	DPD-SM 4500 CL G 21ST	12/14/2021	01/04/2022
05844	DPD-SM 4500 CL G 21ST	12/21/2021	01/04/2022
05844	DPD-SM 4500 CL G 21ST	12/28/2021	01/04/2022

*** PWSID = 6430077 | SYSTEM NAME = SOUTH PYMATUNING***

Detail Sample Information: 01JAN2019 - 31DEC2019

Sample Location	Contaminant ID	Analysis Result	MCL In Effect	Sample Date	Sample Type	Laboratory ID	Analysis Method	Analysis Date	Sample Received Date
810	COPPER	0	1.3	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
810	LEAD	0	0.015	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
811	COPPER	0	1.3	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
811	LEAD	0	0.015	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
812	COPPER	0.05	1.3	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
812	LEAD	0	0.015	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
814	COPPER	0.2	1.3	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
814	LEAD	0	0.015	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
815	COPPER	0.05	1.3	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
815	LEAD	0	0.015	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
816	COPPER	0.11	1.3	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
816	LEAD	0	0.015	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
817	COPPER	0.13	1.3	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
817	LEAD	0	0.015	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
818	COPPER	0.26	1.3	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
818	LEAD	0	0.015	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
819	COPPER	0.08	1.3	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
819	LEAD	0	0.015	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
820	COPPER	0	1.3	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
820	LEAD	0	0.015	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
822	COPPER	0.09	1.3	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
822	LEAD	0	0.015	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
823	COPPER	0	1.3	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
823	LEAD	0	0.015	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
824	COPPER	0.12	1.3	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
824	LEAD	0	0.015	09/18/2019	DISTRIBUTION	AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019

Lead and Copper 90th Percentile Calculation

South Pymatuning
 PWSID: 6430077

Required:	10	Collected:	13
Last Sample Date:	9/18/2019	Mon. Period:	06/01/2019 THROUGH 09/30/2019
Monitoring Reason:	Routine	Sample Type:	Distribution
Pb90th% (mg/L):	0.00	Cu90th%(mg/L):	0.18

Sample #	Lead (mg/L)	Copper (mg/L)	Pb _{90th%} (mg/L)	Cu _{90th%} (mg/L)
1	0	0		
2	0	0		
3	0	0		
4	0	0		
5	0	0.05		
6	0	0.05		
7	0	0.08		
8	0	0.09		
9	0	0.11		
10	0	0.12		
11	0	0.13		
12	0	0.2		
13	0	0.26	0.0000	0.1790

NOTES:

- 1) Results Ranked Lowest to Highest (ND = 0)
- 2) Report 90th percentile result (For 5 samples - take AVG of "4th and 5th")
- 3) Interpolate results for 90th percentile samples that fall between whole numbers

2021 ANNUAL DRINKING WATER QUALITY REPORT

PWSID #: 6430055 **NAME: Borough of Sharpsville**

Este informe contiene información importante acerca de su agua potable. Haga que alguien lo traduzca para usted, ó hable con alguien que lo entienda. (This report contains important information about your drinking water. Have someone translate it for you, or speak with someone who understands it.)

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 Ken Robertson, Sharpsville Borough at (724)-962-7896. We want you to be informed about your water supply. If you want to learn more, please attend any of our regularly scheduled meetings. They are held the second Wednesday of every month at 7pm at the Borough Building located at 1 South Walnut Street.

SOURCE(S) OF WATER:

Our water source(s) is/are: (Name-Type-Location)

Our water source is the Shenango River. The Borough of Sharpsville purchases bulk water from Aqua Pennsylvania's Shenango Valley Division (Aqua). Water for the Shenango Valley Division comes from the Shenango River, which is fed by the 650-mile watershed located North of Sharon, Pennsylvania.

A Source Water Assessment of our source(s) was completed by the PA Department of Environmental Protection (Pa. DEP). The Assessment has found that our source(s) of is/are potentially most susceptible to [insert potential Sources of Contamination listed in your Source Water Assessment Summary]. Overall, our source(s) has/have [little, moderate, high] risk of significant contamination. A summary report of the Assessment is available on the Source Water Assessment Summary Reports eLibrary web page: www.elibrary.dep.state.pa.us/dsweb/View/Collection-10045. Complete reports were distributed to municipalities, water supplier, local planning agencies and PADEP offices. Copies of the complete report are available for review at the Pa. DEP Northeast Regional Office, Records Management Unit at (814)332-6899.

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).

MONITORING YOUR WATER:

We routinely monitor for contaminants in your drinking water according to federal and state laws. The following tables show the results of our monitoring for the period of January 1 to December 31, 2021. 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:

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 (MinRDL) - The minimum level of residual disinfectant required at the entry point to the distribution system.

Level 1 Assessment – A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

Level 2 Assessment – A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an *E. coli* MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

Treatment Technique (TT) - 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 (mg/L)

ppq = parts per quadrillion, or picograms per liter

ppt = parts per trillion, or nanograms per liter

DETECTED SAMPLE RESULTS:

Chemical Contaminants								
Contaminant	MCL in CCR Units	MCLG	Level Detected	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Turbidity, NTU (Aqua)	TT ≤ 0	N/A	0.35	0.02-0.35	NTU	2021	N	Soil runoff
Turbidity, % meeting plant performance (Aqua)	TT ≤ 0	NA	98.4%	98.4%-100%	%	2021	N	Soil Runoff
Barium (Aqua)	2	2	0.018	N/A	ppm	2021	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Cyanide	200	200	9.9	N/A	ppm	2021	N	Discharge from steel/metal factories; Discharge from fertilizer & plastic factories
Chromium (Aqua)	100	100	0	N/A	ppb	2021	N	Discharge from steel and pulp mills; Erosion of natural deposits
Fluoride (Aqua)	2	2	0.91	N/A	ppm	2021	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Atrazine (Aqua)	3	3	0	N/A	ppb	2021	N	Runoff from herbicide used on row crops.
Chlorite (Distribution/ Aqua)	1	1	0.31	0.0822-0.66 ND-0.55	ppm	2021	N	By-Product of drinking water chlorination.
Chlorite (Entry Point/ Aqua)	1	1	0.99	ND-0.99	ppm	2021	N	By-Product of drinking water chlorination.
Total Chlorine (Entry Point/ Aqua)	MRDL=4	MRDLG=4	1.07	1.07-3.41	ppm	2021	N	Water additive used to control microbes.
Chlorine-Distribution System	MRDL=4	MRDLG=4	2.30	1.0-2.30	ppm	2021	N	Water additive used to control microbes.
HAA5	60	N/A	34.03	26.33-34.03	ppb	2021	N	By-product of drinking water disinfection.
TTHM	80	N/A	56.57	46.0-56.57	ppb	2021	N	By-product of drinking water disinfection.

*EPA's MCL for fluoride is 4 ppm. However, Pennsylvania has set a lower MCL to better protect human health.

Entry Point Disinfectant Residual							
Contaminant	Minimum Disinfectant Residual	Lowest Level Detected	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Total Chlorine Entry Point (Aqua)	0.2	1.07	1.07-3.41	ppm	2021	N	Water additive used to control microbes.
Chlorine Dioxide* Entry Point (Aqua)	0.2	0*	0-0.38	ppm	2021	N	Water additive used to control microbes.

*Chlorine Dioxide used for pre-oxidation, not disinfection.

Lead and Copper							
Contaminant	Action Level (AL)	MCLG	90th Percentile Value	Units	# of Sites Above AL of Total Sites	Violation Y/N	Sources of Contamination
Lead	15	0	0	ppb	0	N	Corrosion of household plumbing.
Copper	1.3	1.3	0.08	ppm	0	N	Corrosion of household plumbing.

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

Monitoring for Cryptosporidium (a naturally occurring microbial pathogen) was conducted between 2016-2018 for Aqua PA Shenango Valley Water Treatment Plant under a national program that was instituted in 2009 on raw (untreated) water samples from our source, the Shenango River, Cryptosporidium was detected in 7 of 24 raw water samples, with an average count of 0.115 per liter. These levels are in the second lowest (Bin 2) category of risk raw (untreated) water. Our water treatment processes are designed to remove Cryptosporidium. However, since this program has detected elevated levels of this organism in our raw water, we will be instituting higher standards in 2020 to ensure the treatment process is optimized for the removal of Cryptosporidium. Complete removal of all organisms at all times cannot be guaranteed. For this reason, immune-compromised individuals (people with weakened immune systems) are encouraged to consult their doctor precautions to avoid infection.

Microbial (related to Assessments/Corrective Actions regarding TC positive results)					
Contaminants	TT	MCLG	Assessments/ Corrective Actions	Violation Y/N	Sources of Contamination
Total Coliform Bacteria	Any system that has failed to complete all the required assessments or correct all identified sanitary defects, is in violation of the treatment technique requirement	N/A	See detailed description under "Detected Contaminants Health Effects Language and Corrective Actions" section	N	Naturally present in the environment.

Microbial (related to E. coli)					
Contaminants	MCL	MCLG	Positive Sample(s)	Violation Y/N	Sources of Contamination
<i>E. coli</i>	Routine and repeat samples are total coliform-positive and either is <i>E. coli</i> -positive or system fails to take repeat samples following <i>E. coli</i> -positive routine sample or system fails to analyze total coliform-positive repeat sample for <i>E. coli</i> .	0	0	N	Human and animal fecal waste.
Contaminants	TT	MCLG	Assessments/ Corrective Actions	Violation Y/N	Sources of Contamination
<i>E. coli</i>	Any system that has failed to complete all the required assessments or correct all identified sanitary defects, is in violation of the treatment technique requirement	N/A	See description under "Detected Contaminants Health Effects Language and Corrective Actions" section	N	Human and animal fecal waste.

Turbidity						
Contaminant	MCL	MCLG	Level Detected	Sample Date	Violation Y/N	Source of Contamination
Turbidity	TT=1 NTU for a single measurement	0			N	Soil runoff
	TT= at least 95% of monthly samples \leq 0.3 NTU				N	

Total Organic Carbon (TOC)					
Contaminant	Range of % Removal Required	Range of percent removal achieved	Number of quarters out of compliance	Violation Y/N	Sources of Contamination
TOC (Aqua)	25 - 45	15 - 45	0	N	Naturally present in the environment

DETECTED CONTAMINANTS HEALTH EFFECTS LANGUAGE AND CORRECTIVE ACTIONS:

No violations took place. As such, no health effects are noted.

OTHER VIOLATIONS:

The Borough of Sharpville had no other violations.

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 stormwater run-off, 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 by-products 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.

In order to ensure that tap water is safe to drink, EPA and DEP prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA and DEP 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 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).

Information about Lead

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. The Borough of Sharpville 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>.

OTHER INFORMATION:

Monitoring for Cryptosporidium (a naturally occurring microbial pathogen) was conducted between 2016-2018 under a national program in 2009 on raw (untreated) water samples from our source, the Shenango River. Cryptosporidium was detected in 7 of 24 raw water samples, with an average count of 0.115 oocysts per liter. These levels are in the second to lowest (Bin 2) category of risk for raw (untreated) water. Aqua's water treatment processes are designed to remove Cryptosporidium. However, since this program has detected elevated levels of this organisms in our raw water, we will be instituting higher standards in 2022 to ensure the treatment process is optimized for the removal of Cryptosporidium. Complete removal of all organisms cannot be guaranteed. For this reason, immune-compromised individuals (people with weakened immune systems) are encouraged to consult their doctor regarding appropriate precautions to avoid infection.

The 1996 amendments to the Safe Water Drinking Act (SDWA) require that once every five years, the U.S. Environmental Protection Agency (EPA) issue a new list of no more than 30 **unregulated contaminants** to be monitored by public water systems (PWSs). The Unregulated Contaminant Monitoring Rule (UCMR) provides EPA and other interested parties with scientifically valid data on the occurrence of contaminants in drinking water. This data serves as a primary source of occurrence and exposure information that the agency uses to develop regulatory decisions. If a PWS monitoring for UCMR finds contaminants in drinking water, it must provide the information to its customers in this annual water quality report. Below is a table of the results of Aqua PA's UCMR monitoring in 2018 and 2019. All other contaminants tested during UCMR were not detected.

<i>Unregulated Contaminants Detected During 2018</i>			
<i>Unregulated Contaminant</i>	<i>Average Detection</i>	<i>Range of Detections</i>	<i>MCL</i>
<i>Raw Samples (untreated)</i>			
Bromide, ppb	13.9	ND – 27.8	N/A
Total Organic Carbon, ppb	5555	3800-7310	N/A
<i>Entry Point Samples</i>			
Manganese, ppb	1.27	0.7-1.83	N/A
<i>Distribution Samples</i>			
Bromochloroacetic Acid, ppb	2.45	2.21-3.29	N/A
Bromodichloroacetic Acid, ppb	4.80	4.64-5.03	N/A
Dichloroacetic Acid, ppb	31.08	25.4-41.0	N/A
Trichloroacetic Acid, ppb	61.2	58.3-63.6	N/A

<i>Unregulated Contaminants Detected During 2019</i>				
<i>Unregulated Contaminant</i>	<i>Average Detection</i>	<i>Range of Detections</i>	<i>Health Advisory</i>	<i>Violation</i>
<i>Entry Point Samples</i>				
Perfluorooctanoic acid (PFOA), ppt	2.8	NA	70	No

Note: At this time, results for all the samples taken for the UCMR in 2019 are not yet available. This table has only been updated with the results we have received thus far. Aqua PA and Sharpsville Borough will update this data as it becomes available.



Aqua Pennsylvania, Inc.
665 S. Dock Street
Sharon, PA 16146

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March 3, 2021

South Pymatuning Township
Attn:
3493 Tamarack Drive
Sharpsville, PA 16150

RE: Water Quality Annual Data

Dear

The Safe Drinking Water Act Amendments of 1996 require that each community water system issue a Consumer Confidence Report (CCR) to each customer annually beginning in 1999. The CCR for 2021 is due by July 1, 2022.

The PA DEP is the primary agency responsible for administering this regulatory requirement and, as such, each has very specific requirements that must be followed in the preparation of the CCR. As a water system that sells water to another community water system, we must deliver to you a listing of the appropriate water quality analytical data resulting from testing of water in our water system during 2021. That data is enclosed for your use. Please keep in mind that some of the data in the enclosed tables is only relevant to the Aqua system, specifically distribution system data (Lead, Copper, Total Chlorine, Disinfectant By-products, etc.). You will need to substitute your own data where required.

If you have any questions relating to the interpretation of the water quality data shown on the enclosed report, please let me know. However, you should consult your state regulatory agency for specific guidance relating to the format and content of the CCR they require of you.

Very truly yours,

William D. Young
Laboratory Director

Contaminants	Level Found	Range of Detections	MCL	MCLG	Sample Date	Violation Y/N	Major Sources in Drinking Water
Total Chlorine, ppm	2.0	2.0-2.7	MRDL = 4	MRDLG = 4	2021	N	Water additive used to control microbes
Turbidity, % meeting plant performance level	98.4%	98.4-100.0%	TT	NA	2021	N	Soil runoff
Turbidity, NTU	0.35	0.02-0.35	TT	NA	2021	N	Soil runoff
Total Organic Carbon (TOC)							
Contaminant	Range of Removal Required	Range of Percent Removal Achieved	Number of Quarters out of compliance	Sample Date	Violation Y/N	Sources of Contamination	
TOC	25-45	15.0-50.	0	2021	N	Naturally present in the environment	
Inorganic Compounds							
Barium, ppm	0.018	NA	2	2	2021	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Cyanide, ppb	9.9	NA	200	200	2021	N	Discharge from steel/metal factories; Discharge from plastic and fertilizer factories
Fluoride, ppm	0.91	NA	2	2	2021	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Disinfection Byproducts- For Haloacetic Acids and Total Trihalomethanes, the Level Found is the highest annual average of the quarterly averages. Compliance is based on a running annual average of quarterly results, not a single sample. The Range of Results lists the highest and lowest values among all individual samples.							
Haloacetic acids, ppb	33.0	19.5-53.3	60	NA	2021	N	Byproduct of drinking water chlorination
Total Trihalomethanes, ppb	42.1	19.4-68.7	80	NA	2021	N	Byproduct of drinking water chlorination
Chlorite, ppm (distribution system)	0.31	0.05-0.66	1	0.8	2021	N	Byproduct of drinking water chlorination
Chlorite, ppm (entry point)	0.99	ND-0.99	1	0.8	2021	N	Byproduct of drinking water chlorination

*Chlorine Dioxide used for pre-oxidation, not disinfection.

Entry Point Disinfectant Residual						
Contaminants	Minimum Level Found	Minimum Disinfectant Residual	Range of Detection	Sample Date	Violation Y/N	Major Sources in Drinking Water
Total Chlorine, ppm	1.07	0.2	1.07-3.41	2021	N	Water additive used to control microbes
Chlorine Dioxide, ppm (entry point)	0*	0.2	0-0.38	2021	N	Water additive used to control microbes

Microbial (related to Assessments/Corrective Actions regarding TC positive results)

Contaminants	TT	MCLG	Assessments/ Corrective Actions	Violation Y/N	Sources of Contamination
Total Coliform Bacteria	During the past year we were required to conduct One Level 1 assessment(s). One Level 1 assessment(s) were completed.	N/A	No Corrective Action was required	N	Naturally present in the environment.

During the past year we were required to conduct One Level 1 assessment(s). One Level 1 assessment(s) were completed. In addition, we were required to take Zero corrective actions and we completed Zero of these actions.

Lead and Copper	90th Percentile	Total Number of Samples	Samples Exceeding Action Level	Action Level	MCLG	Sample Date	Violation Y/N	Major Sources in Drinking Water
Copper, ppm	0.11	36	0	AL=1.3	1.3	2019	N	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
Lead, ppb	ND	36	0	AL=15	0	2019	N	Corrosion of household plumbing systems; Erosion of natural deposits

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Unregulated Contaminants Detected During 2018			
Unregulated Contaminant	Average Detection	Range of Detections	MCL
Raw Samples (untreated)			
Bromide, ppb	13.9	ND- 27.8	NA
Total Organic	5555	3800-7310	NA

Carbon, ppb			
Entry Point Samples			
Manganese, ppb	1.27	0.7-1.83	NA
Distribution Samples			
Bromochloroacetic Acid, ppb	2.45	2.21-3.29	NA
Bromodichloroacetic Acid, ppb	4.80	4.64-5.03	NA
Dichloroacetic Acid, ppb	31.08	25.4-41.0	NA
Trichloroacetic Acid, ppb	61.2	58.3-63.6	NA

Note: At this time, result for all the samples taken for the UCMR in 2018 are not yet available. This table has only been updated with the results we have received thus far. Aqua will update this data as it becomes available.

Unregulated Contaminants Detected During 2019				
Unregulated Contaminant	Average Detection	Range of Detections	Health Advisory	Violation
Entry Point Samples				
Perfluorooctanoic acid (PFOA), ppt	2.8	NA	70	No

Monitoring for Cryptosporidium (a naturally occurring microbial pathogen) was conducted between 2016 – 2018 under a national program that was instituted in 2009 on raw (untreated) water samples from our source, the Shenango River. Cryptosporidium was detected in 7 of 24 raw water samples, with an average count of 0.115 per liter. These levels are in the second to lowest (Bin 2) category of risk for raw (untreated) water. Our water treatment processes are designed to remove Cryptosporidium. However, since this program has detected elevated levels of this organism in our raw water we will be instituting higher standards in 2019 to ensure the treatment process is optimized for the removal Cryptosporidium. Complete removal of all organisms at all times cannot be guaranteed. For this reason, immuno-compromised individuals (people with weakened immune systems) are encouraged to consult their doctor regarding appropriate precautions to avoid infection.