pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF SAFE DRINKING WATER

2019 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 second Wendesday of every month at 7pm at the South Pymatuning Township Building located at 3483 Tamarack Drive, Sharpsville, Pa.

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, 2019. 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 (µg/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

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

Detail Sample Information: 01JAN2019 - 31DEC2019

Sample Location	Contaminant ID	Analysis Result	MCL In Effect	Sample Date	Sample Type
701	CHLOROFORM (THM)	0.0197	.	01/10/2019	DISTRIBUTION
701	CHLOROFORM (THM)	0.0197	.	01/10/2019	DISTRIBUTION
701	BROMOFORM (THM)	0	.	01/10/2019	DISTRIBUTION
701	BROMODICHLOROMETHANE (THM)	0.0065	.	01/10/2019	DISTRIBUTION
701	CHLORODIBROMOMETHANE (THM)	0.001	.	01/10/2019	DISTRIBUTION
701	TRIHALOMETHANES	0.0272	0.08	01/10/2019	DISTRIBUTION
702	MONOCHLOROACETIC ACID	0	.	01/10/2019	DISTRIBUTION
702	DICHLOROACETIC ACID	0.016	.	01/10/2019	DISTRIBUTION
702	TRICHLOROACETIC ACID	0.0109	.	01/10/2019	DISTRIBUTION
702	MONOBROMOACETIC ACID	0	.	01/10/2019	DISTRIBUTION
702	DIBROMOACETIC ACID	0	.	01/10/2019	DISTRIBUTION
702	HALOACETIC ACIDS (FIVE)	0.0269	0.06	01/10/2019	DISTRIBUTION
703	MONOCHLOROACETIC ACID	0	.	01/10/2019	DISTRIBUTION
703	DICHLOROACETIC ACID	0.0155	.	01/10/2019	DISTRIBUTION
703	TRICHLOROACETIC ACID	0.0106	.	01/10/2019	DISTRIBUTION
703	MONOBROMOACETIC ACID	0	.	01/10/2019	DISTRIBUTION
703	DIBROMOACETIC ACID	0	.	01/10/2019	DISTRIBUTION
703	HALOACETIC ACIDS (FIVE)	0.0261	0.06	01/10/2019	DISTRIBUTION
703	CHLOROFORM (THM)	0.0191	.	01/10/2019	DISTRIBUTION
703	CHLOROFORM (THM)	0.0191	.	01/10/2019	DISTRIBUTION
703	BROMOFORM (THM)	0	.	01/10/2019	DISTRIBUTION
703	BROMODICHLOROMETHANE (THM)	0.0063	.	01/10/2019	DISTRIBUTION
703	CHLORODIBROMOMETHANE (THM)	0.0009	.	01/10/2019	DISTRIBUTION
703	TRIHALOMETHANES	0.0263	0.08	01/10/2019	DISTRIBUTION
703	TOTAL CHLORINE	1.8	.	01/28/2019	DISTRIBUTION
703	TOTAL COLIFORM PRESENCE	0	.	01/28/2019	DISTRIBUTION

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Detail Sample Information: 01JAN2019 - 31DEC2019

Laboratory ID	Analysis Method	Analysis Date	Sample Received Date
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	01/14/2019	01/23/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	01/14/2019	01/23/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	01/14/2019	01/23/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	01/14/2019	01/23/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	01/14/2019	01/23/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	01/14/2019	01/23/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	01/15/2019	01/23/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	01/15/2019	01/23/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	01/15/2019	01/23/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	01/15/2019	01/23/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	01/15/2019	01/23/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	01/15/2019	01/23/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	01/15/2019	01/23/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	01/15/2019	01/23/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	01/15/2019	01/23/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	01/15/2019	01/23/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	01/15/2019	01/23/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	01/15/2019	01/23/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	01/14/2019	01/23/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	01/14/2019	01/23/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	01/14/2019	01/23/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	01/14/2019	01/23/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	01/14/2019	01/23/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	01/14/2019	01/23/2019
AQUA PENNSYLVANIA - SHENANGO	DPD-SM 4500 CL G 21ST	01/28/2019	02/06/2019
AQUA PENNSYLVANIA - SHENANGO	GWR-ONPG-MUG (MMO-MUG)	01/28/2019	02/06/2019

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Sample Location	Contaminant ID	Analysis Result	MCL In Effect	Sample Date	Sample Type
801	TOTAL CHLORINE	2.2	.	02/11/2019	DISTRIBUTION
801	TOTAL COLIFORM PRESENCE	0	.	02/11/2019	DISTRIBUTION
703	TOTAL CHLORINE	2.16	.	03/12/2019	DISTRIBUTION
703	TOTAL COLIFORM PRESENCE	0	.	03/12/2019	DISTRIBUTION
802	TOTAL CHLORINE	1.24	.	04/02/2019	DISTRIBUTION
701	TOTAL CHLORINE	1.56	.	04/09/2019	DISTRIBUTION
701	CHLOROFORM (THM)	0.0159	.	04/10/2019	DISTRIBUTION
701	CHLOROFORM (THM)	0.0159	.	04/10/2019	DISTRIBUTION
701	BROMOFORM (THM)	0	.	04/10/2019	DISTRIBUTION
701	BROMODICHLOROMETHANE (THM)	0.007	.	04/10/2019	DISTRIBUTION
701	CHLORODIBROMOMETHANE (THM)	0.0014	.	04/10/2019	DISTRIBUTION
701	TRIHALOMETHANES	0.0243	0.08	04/10/2019	DISTRIBUTION
702	MONOCHLOROACETIC ACID	0	.	04/10/2019	DISTRIBUTION
702	DICHLOROACETIC ACID	0.0113	.	04/10/2019	DISTRIBUTION
702	TRICHLOROACETIC ACID	0.0081	.	04/10/2019	DISTRIBUTION
702	MONOBROMOACETIC ACID	0	.	04/10/2019	DISTRIBUTION
702	DIBROMOACETIC ACID	0	.	04/10/2019	DISTRIBUTION
702	HALOACETIC ACIDS (FIVE)	0.0194	0.06	04/10/2019	DISTRIBUTION
703	MONOCHLOROACETIC ACID	0	.	04/10/2019	DISTRIBUTION
703	DICHLOROACETIC ACID	0.0113	.	04/10/2019	DISTRIBUTION
703	TRICHLOROACETIC ACID	0.0082	.	04/10/2019	DISTRIBUTION
703	MONOBROMOACETIC ACID	0	.	04/10/2019	DISTRIBUTION
703	DIBROMOACETIC ACID	0	.	04/10/2019	DISTRIBUTION
703	HALOACETIC ACIDS (FIVE)	0.0195	0.06	04/10/2019	DISTRIBUTION
703	CHLOROFORM (THM)	0.0162	.	04/10/2019	DISTRIBUTION
703	CHLOROFORM (THM)	0.0162	.	04/10/2019	DISTRIBUTION

Detail Sample Information: 01JAN2019 - 31DEC2019

Laboratory ID	Analysis Method	Analysis Date	Sample Received Date
AQUA PENNSYLVANIA - SHENANGO	DPD-SM 4500 CL G 21ST	02/11/2019	03/06/2019
AQUA PENNSYLVANIA - SHENANGO	GWR-ONPG-MUG (MMO-MUG)	02/11/2019	03/06/2019
AQUA PENNSYLVANIA - SHENANGO	DPD-SM 4500 CL G 21ST	03/12/2019	04/05/2019
AQUA PENNSYLVANIA - SHENANGO	GWR-ONPG-MUG (MMO-MUG)	03/12/2019	04/05/2019
05844	DPD-SM 4500 CL G 21ST	04/02/2019	08/07/2019
05844	DPD-SM 4500 CL G 21ST	04/09/2019	08/07/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	04/15/2019	04/24/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	04/15/2019	04/24/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	04/15/2019	04/24/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	04/15/2019	04/24/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	04/15/2019	04/24/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	04/15/2019	04/24/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	04/20/2019	04/24/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	04/20/2019	04/24/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	04/20/2019	04/24/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	04/20/2019	04/24/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	04/20/2019	04/24/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	04/20/2019	04/24/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	04/20/2019	04/24/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	04/20/2019	04/24/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	04/20/2019	04/24/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	04/20/2019	04/24/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	04/20/2019	04/24/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	04/20/2019	04/24/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	04/15/2019	04/24/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	04/15/2019	04/24/2019

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Detail Sample Information: 01JAN2019 - 31DEC2019

Sample Location	Contaminant ID	Analysis Result	MCL In Effect	Sample Date	Sample Type
703	BROMOFORM (THM)	0	.	04/10/2019	DISTRIBUTION
703	BROMODICHLOROMETHANE (THM)	0.007	.	04/10/2019	DISTRIBUTION
703	CHLORODIBROMOMETHANE (THM)	0.0014	.	04/10/2019	DISTRIBUTION
703	TRIHALOMETHANES	0.0246	0.08	04/10/2019	DISTRIBUTION
701	TOTAL CHLORINE	1.82	.	04/17/2019	DISTRIBUTION
701	TOTAL CHLORINE	1.96	.	04/17/2019	DISTRIBUTION
701	TOTAL COLIFORM PRESENCE	0	.	04/17/2019	DISTRIBUTION
803	TOTAL CHLORINE	1.18	.	04/23/2019	DISTRIBUTION
802	TOTAL CHLORINE	1.52	.	04/30/2019	DISTRIBUTION
701	TOTAL CHLORINE	1.14	.	05/07/2019	DISTRIBUTION
703	TOTAL CHLORINE	1.9	.	05/13/2019	DISTRIBUTION
703	TOTAL COLIFORM PRESENCE	0	.	05/13/2019	DISTRIBUTION
703	TOTAL CHLORINE	1.8	.	05/14/2019	DISTRIBUTION
802	TOTAL CHLORINE	1.6	.	05/21/2019	DISTRIBUTION
803	TOTAL CHLORINE	1.56	.	05/28/2019	DISTRIBUTION
701	TOTAL CHLORINE	1.48	.	06/04/2019	DISTRIBUTION
802	TOTAL CHLORINE	1.6	.	06/11/2019	DISTRIBUTION
701	TOTAL CHLORINE	1.64	.	06/12/2019	DISTRIBUTION
701	TOTAL COLIFORM PRESENCE	0	.	06/12/2019	DISTRIBUTION
803	TOTAL CHLORINE	1.4	.	06/18/2019	DISTRIBUTION
701	TOTAL CHLORINE	1.3	.	06/25/2019	DISTRIBUTION
702	TOTAL CHLORINE	2.32	.	07/02/2019	DISTRIBUTION
701	CHLOROFORM (THM)	0.0415	.	07/09/2019	DISTRIBUTION
701	CHLOROFORM (THM)	0.0415	.	07/09/2019	DISTRIBUTION
701	BROMOFORM (THM)	0	.	07/09/2019	DISTRIBUTION
701	BROMODICHLOROMETHANE (THM)	0.0086	.	07/09/2019	DISTRIBUTION

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Detail Sample Information: 01JAN2019 - 31DEC2019

Laboratory ID	Analysis Method	Analysis Date	Sample Received Date
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	04/15/2019	04/24/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	04/15/2019	04/24/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	04/15/2019	04/24/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	04/15/2019	04/24/2019
05844	DPD-SM 4500 CL G 21ST	04/17/2019	08/07/2019
AQUA PENNSYLVANIA - SHENANGO	DPD-SM 4500 CL G 21ST	04/17/2019	05/08/2019
AQUA PENNSYLVANIA - SHENANGO	GWR-ONPG-MUG (MMO-MUG)	04/17/2019	05/08/2019
05844	DPD-SM 4500 CL G 21ST	04/23/2019	08/07/2019
05844	DPD-SM 4500 CL G 21ST	04/30/2019	08/07/2019
05844	DPD-SM 4500 CL G 21ST	05/07/2019	08/07/2019
AQUA PENNSYLVANIA - SHENANGO	DPD-SM 4500 CL G 21ST	05/13/2019	06/10/2019
AQUA PENNSYLVANIA - SHENANGO	GWR-ONPG-MUG (MMO-MUG)	05/13/2019	06/10/2019
05844	DPD-SM 4500 CL G 21ST	05/14/2019	08/07/2019
05844	DPD-SM 4500 CL G 21ST	05/21/2019	08/07/2019
05844	DPD-SM 4500 CL G 21ST	05/28/2019	08/07/2019
05844	DPD-SM 4500 CL G 21ST	06/04/2019	08/07/2019
05844	DPD-SM 4500 CL G 21ST	06/11/2019	08/07/2019
AQUA PENNSYLVANIA - SHENANGO	DPD-SM 4500 CL G 21ST	06/12/2019	07/08/2019
AQUA PENNSYLVANIA - SHENANGO	GWR-ONPG-MUG (MMO-MUG)	06/12/2019	07/08/2019
05844	DPD-SM 4500 CL G 21ST	06/18/2019	08/07/2019
05844	DPD-SM 4500 CL G 21ST	06/25/2019	08/07/2019
05844	DPD-SM 4500 CL G 21ST	07/02/2019	08/07/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	07/11/2019	07/22/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	07/11/2019	07/22/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	07/11/2019	07/22/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	07/11/2019	07/22/2019

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Detail Sample Information: 01JAN2019 - 31DEC2019

Sample Location	Contaminant ID	Analysis Result	MCL In Effect	Sample Date	Sample Type
701	CHLORODIBROMOMETHANE (THM)	0.0011	.	07/09/2019	DISTRIBUTION
701	TRIHALOMETHANES	0.0512	0.08	07/09/2019	DISTRIBUTION
702	TOTAL CHLORINE	1.66	.	07/09/2019	DISTRIBUTION
702	MONOCHLOROACETIC ACID	0.0013	.	07/09/2019	DISTRIBUTION
702	DICHLOROACETIC ACID	0.0132	.	07/09/2019	DISTRIBUTION
702	TRICHLOROACETIC ACID	0.0205	.	07/09/2019	DISTRIBUTION
702	MONOBROMOACETIC ACID	0	.	07/09/2019	DISTRIBUTION
702	DIBROMOACETIC ACID	0	.	07/09/2019	DISTRIBUTION
702	HALOACETIC ACIDS (FIVE)	0.035	0.06	07/09/2019	DISTRIBUTION
703	MONOCHLOROACETIC ACID	0.0013	.	07/09/2019	DISTRIBUTION
703	DICHLOROACETIC ACID	0.0131	.	07/09/2019	DISTRIBUTION
703	TRICHLOROACETIC ACID	0.0203	.	07/09/2019	DISTRIBUTION
703	MONOBROMOACETIC ACID	0	.	07/09/2019	DISTRIBUTION
703	DIBROMOACETIC ACID	0	.	07/09/2019	DISTRIBUTION
703	HALOACETIC ACIDS (FIVE)	0.0347	0.06	07/09/2019	DISTRIBUTION
703	CHLOROFORM (THM)	0.0409	.	07/09/2019	DISTRIBUTION
703	CHLOROFORM (THM)	0.0409	.	07/09/2019	DISTRIBUTION
703	BROMOFORM (THM)	0	.	07/09/2019	DISTRIBUTION
703	BROMODICHLOROMETHANE (THM)	0.0089	.	07/09/2019	DISTRIBUTION
703	CHLORODIBROMOMETHANE (THM)	0.0011	.	07/09/2019	DISTRIBUTION
703	TRIHALOMETHANES	0.0509	0.08	07/09/2019	DISTRIBUTION
803	TOTAL CHLORINE	1.12	.	07/16/2019	DISTRIBUTION
701	TOTAL CHLORINE	1.99	.	07/23/2019	DISTRIBUTION
702	TOTAL CHLORINE	2	.	07/24/2019	DISTRIBUTION
702	TOTAL COLIFORM PRESENCE	0	.	07/24/2019	DISTRIBUTION
802	TOTAL CHLORINE	1.1	.	07/30/2019	DISTRIBUTION

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AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	07/11/2019	07/22/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	07/11/2019	07/22/2019
05844	DPD-SM 4500 CL G 21ST	07/09/2019	08/07/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	07/18/2019	07/22/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	07/18/2019	07/22/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	07/18/2019	07/22/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	07/18/2019	07/22/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	07/18/2019	07/22/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	07/18/2019	07/22/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	07/18/2019	07/22/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	07/18/2019	07/22/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	07/18/2019	07/22/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	07/18/2019	07/22/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	07/18/2019	07/22/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	07/18/2019	07/22/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	07/11/2019	07/22/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	07/11/2019	07/22/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	07/11/2019	07/22/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	07/11/2019	07/22/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	07/11/2019	07/22/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	07/11/2019	07/22/2019
05844	DPD-SM 4500 CL G 21ST	07/16/2019	08/07/2019
05844	DPD-SM 4500 CL G 21ST	07/23/2019	08/07/2019
AQUA PENNSYLVANIA - SHENANGO	DPD-SM 4500 CL G 21ST	07/24/2019	08/08/2019
AQUA PENNSYLVANIA - SHENANGO	GWR-ONPG-MUG (MMO-MUG)	07/24/2019	08/08/2019
05844	DPD-SM 4500 CL G 21ST	07/30/2019	08/07/2019

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

Detail Sample Information: 01JAN2019 - 31DEC2019

Sample Location	Contaminant ID	Analysis Result	MCL In Effect	Sample Date	Sample Type
703	TOTAL CHLORINE	1.28	.	08/06/2019	DISTRIBUTION
803	TOTAL CHLORINE	2.2	.	08/13/2019	DISTRIBUTION
803	TOTAL CHLORINE	2.73	.	08/15/2019	DISTRIBUTION
803	TOTAL COLIFORM PRESENCE	0	.	08/15/2019	DISTRIBUTION
701	TOTAL CHLORINE	2.38	.	08/20/2019	DISTRIBUTION
802	TOTAL CHLORINE	1.78	.	08/27/2019	DISTRIBUTION
803	TOTAL CHLORINE	2.2	.	09/03/2019	DISTRIBUTION
701	TOTAL CHLORINE	1.05	.	09/10/2019	DISTRIBUTION
703	TOTAL CHLORINE	2.08	.	09/17/2019	DISTRIBUTION
801	TOTAL CHLORINE	2.08	.	09/18/2019	DISTRIBUTION
801	TOTAL COLIFORM PRESENCE	0	.	09/18/2019	DISTRIBUTION
810	COPPER	0	1.3	09/18/2019	DISTRIBUTION
810	LEAD	0	0.015	09/18/2019	DISTRIBUTION
811	COPPER	0	1.3	09/18/2019	DISTRIBUTION
811	LEAD	0	0.015	09/18/2019	DISTRIBUTION
812	COPPER	0.05	1.3	09/18/2019	DISTRIBUTION
812	LEAD	0	0.015	09/18/2019	DISTRIBUTION
814	COPPER	0.2	1.3	09/18/2019	DISTRIBUTION
814	LEAD	0	0.015	09/18/2019	DISTRIBUTION
815	COPPER	0.05	1.3	09/18/2019	DISTRIBUTION
815	LEAD	0	0.015	09/18/2019	DISTRIBUTION
816	COPPER	0.11	1.3	09/18/2019	DISTRIBUTION
816	LEAD	0	0.015	09/18/2019	DISTRIBUTION
817	COPPER	0.13	1.3	09/18/2019	DISTRIBUTION
817	LEAD	0	0.015	09/18/2019	DISTRIBUTION
818	COPPER	0.26	1.3	09/18/2019	DISTRIBUTION

Detail Sample Information: 01JAN2019 - 31DEC2019

Laboratory ID	Analysis Method	Analysis Date	Sample Received Date
05844	DPD-SM 4500 CL G 21ST	08/06/2019	09/09/2019
05844	DPD-SM 4500 CL G 21ST	08/13/2019	09/09/2019
AQUA PENNSYLVANIA - SHENANGO	DPD-SM 4500 CL G 21ST	08/15/2019	09/09/2019
AQUA PENNSYLVANIA - SHENANGO	GWR-ONPG-MUG (MMO-MUG)	08/15/2019	09/09/2019
05844	DPD-SM 4500 CL G 21ST	08/20/2019	09/09/2019
05844	DPD-SM 4500 CL G 21ST	08/27/2019	09/09/2019
05844	DPD-SM 4500 CL G 21ST	09/03/2019	10/07/2019
05844	DPD-SM 4500 CL G 21ST	09/10/2019	10/07/2019
05844	DPD-SM 4500 CL G 21ST	09/17/2019	10/07/2019
AQUA PENNSYLVANIA - SHENANGO	DPD-SM 4500 CL G 21ST	09/18/2019	10/09/2019
AQUA PENNSYLVANIA - SHENANGO	GWR-ONPG-MUG (MMO-MUG)	09/18/2019	10/09/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019

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

Detail Sample Information: 01JAN2019 - 31DEC2019

Sample Location	Contaminant ID	Analysis Result	MCL In Effect	Sample Date	Sample Type
818	LEAD	0	0.015	09/18/2019	DISTRIBUTION
819	COPPER	0.08	1.3	09/18/2019	DISTRIBUTION
819	LEAD	0	0.015	09/18/2019	DISTRIBUTION
820	COPPER	0	1.3	09/18/2019	DISTRIBUTION
820	LEAD	0	0.015	09/18/2019	DISTRIBUTION
822	COPPER	0.09	1.3	09/18/2019	DISTRIBUTION
822	LEAD	0	0.015	09/18/2019	DISTRIBUTION
823	COPPER	0	1.3	09/18/2019	DISTRIBUTION
823	LEAD	0	0.015	09/18/2019	DISTRIBUTION
824	COPPER	0.12	1.3	09/18/2019	DISTRIBUTION
824	LEAD	0	0.015	09/18/2019	DISTRIBUTION
801	TOTAL CHLORINE	1.51	.	09/24/2019	DISTRIBUTION
802	TOTAL CHLORINE	1.36	.	10/01/2019	DISTRIBUTION
701	TOTAL CHLORINE	1.67	.	10/08/2019	DISTRIBUTION
701	CHLOROFORM (THM)	0.0379	.	10/08/2019	DISTRIBUTION
701	BROMOFORM (THM)	0	.	10/08/2019	DISTRIBUTION
701	BROMODICHLOROMETHANE (THM)	0.0117	.	10/08/2019	DISTRIBUTION
701	CHLORODIBROMOMETHANE (THM)	0.0022	.	10/08/2019	DISTRIBUTION
701	TRIHALOMETHANES	0.0518	0.08	10/08/2019	DISTRIBUTION
702	MONOCHLOROACETIC ACID	0.0015	.	10/08/2019	DISTRIBUTION
702	DICHLOROACETIC ACID	0.017	.	10/08/2019	DISTRIBUTION
702	TRICHLOROACETIC ACID	0.0165	.	10/08/2019	DISTRIBUTION
702	MONOBROMOACETIC ACID	0	.	10/08/2019	DISTRIBUTION
702	DIBROMOACETIC ACID	0	.	10/08/2019	DISTRIBUTION
702	HALOACETIC ACIDS (FIVE)	0.035	0.06	10/08/2019	DISTRIBUTION
703	TOTAL CHLORINE	1.9	.	10/08/2019	DISTRIBUTION

Detail Sample Information: 01JAN2019 - 31DEC2019

Laboratory ID	Analysis Method	Analysis Date	Sample Received Date
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
AQUA PENNSYLVANIA, INC	ICP, MASS SPEC.	09/24/2019	09/25/2019
05844	DPD-SM 4500 CL G 21ST	09/24/2019	10/07/2019
05844	DPD-SM 4500 CL G 21ST	10/01/2019	11/01/2019
05844	DPD-SM 4500 CL G 21ST	10/08/2019	11/01/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	10/10/2019	10/24/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	10/10/2019	10/24/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	10/10/2019	10/24/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	10/10/2019	10/24/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	10/10/2019	10/24/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	10/11/2019	10/24/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	10/11/2019	10/24/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	10/11/2019	10/24/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	10/11/2019	10/24/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	10/11/2019	10/24/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	10/11/2019	10/24/2019
AQUA PENNSYLVANIA - SHENANGO	DPD-SM 4500 CL G 21ST	10/08/2019	11/07/2019

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

Detail Sample Information: 01JAN2019 - 31DEC2019

Sample Location	Contaminant ID	Analysis Result	MCL In Effect	Sample Date	Sample Type
703	MONOCHLOROACETIC ACID	0.0016	.	10/08/2019	DISTRIBUTION
703	DICHLOROACETIC ACID	0.0171	.	10/08/2019	DISTRIBUTION
703	TRICHLOROACETIC ACID	0.0166	.	10/08/2019	DISTRIBUTION
703	MONOBROMOACETIC ACID	0	.	10/08/2019	DISTRIBUTION
703	DIBROMOACETIC ACID	0	.	10/08/2019	DISTRIBUTION
703	HALOACETIC ACIDS (FIVE)	0.0353	0.06	10/08/2019	DISTRIBUTION
703	CHLOROFORM (THM)	0.038	.	10/08/2019	DISTRIBUTION
703	BROMOFORM (THM)	0	.	10/08/2019	DISTRIBUTION
703	BROMODICHLOROMETHANE (THM)	0.0117	.	10/08/2019	DISTRIBUTION
703	CHLORODIBROMOMETHANE (THM)	0.0022	.	10/08/2019	DISTRIBUTION
703	TRIHALOMETHANES	0.0519	0.08	10/08/2019	DISTRIBUTION
703	TOTAL COLIFORM PRESENCE	0	.	10/08/2019	DISTRIBUTION
702	TOTAL CHLORINE	1.54	.	10/15/2019	DISTRIBUTION
703	TOTAL CHLORINE	1.28	.	10/22/2019	DISTRIBUTION
801	TOTAL CHLORINE	1.63	.	10/29/2019	DISTRIBUTION
701	TOTAL CHLORINE	2	.	11/04/2019	DISTRIBUTION
701	TOTAL COLIFORM PRESENCE	0	.	11/04/2019	DISTRIBUTION
802	TOTAL CHLORINE	1.47	.	11/05/2019	DISTRIBUTION
802	TOTAL CHLORINE	1.47	.	11/05/2019	DISTRIBUTION
803	TOTAL CHLORINE	1.8	.	11/12/2019	DISTRIBUTION
803	TOTAL CHLORINE	1.8	.	11/12/2019	DISTRIBUTION
701	TOTAL CHLORINE	1.94	.	11/19/2019	DISTRIBUTION
701	TOTAL CHLORINE	1.94	.	11/19/2019	DISTRIBUTION
702	TOTAL CHLORINE	1.98	.	11/26/2019	DISTRIBUTION
702	TOTAL CHLORINE	1.98	.	11/26/2019	DISTRIBUTION
703	TOTAL CHLORINE	2.01	.	12/03/2019	DISTRIBUTION

Detail Sample Information: 01JAN2019 - 31DEC2019

Laboratory ID	Analysis Method	Analysis Date	Sample Received Date
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	10/11/2019	10/24/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	10/11/2019	10/24/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	10/11/2019	10/24/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	10/11/2019	10/24/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	10/11/2019	10/24/2019
AQUA PENNSYLVANIA, INC	LL, GC EPA 552.2, 552.3	10/11/2019	10/24/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	10/10/2019	10/24/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	10/10/2019	10/24/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	10/10/2019	10/24/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	10/10/2019	10/24/2019
AQUA PENNSYLVANIA, INC	P/T-GC/MS VOCS 524.3, 524.4	10/10/2019	10/24/2019
AQUA PENNSYLVANIA - SHENANGO	GWR-ONPG-MUG (MMO-MUG)	10/08/2019	11/07/2019
05844	DPD-SM 4500 CL G 21ST	10/15/2019	11/01/2019
05844	DPD-SM 4500 CL G 21ST	10/22/2019	11/01/2019
05844	DPD-SM 4500 CL G 21ST	10/29/2019	11/01/2019
AQUA PENNSYLVANIA - SHENANGO	DPD-SM 4500 CL G 21ST	11/04/2019	12/09/2019
AQUA PENNSYLVANIA - SHENANGO	GWR-ONPG-MUG (MMO-MUG)	11/04/2019	12/09/2019
05844	DPD-SM 4500 CL G 21ST	11/05/2019	12/06/2019
05844	DPD-SM 4500 CL G 21ST	11/05/2019	12/06/2019
05844	DPD-SM 4500 CL G 21ST	11/12/2019	12/06/2019
05844	DPD-SM 4500 CL G 21ST	11/12/2019	12/06/2019
05844	DPD-SM 4500 CL G 21ST	11/19/2019	12/06/2019
05844	DPD-SM 4500 CL G 21ST	11/19/2019	12/06/2019
05844	DPD-SM 4500 CL G 21ST	11/26/2019	12/06/2019
05844	DPD-SM 4500 CL G 21ST	11/26/2019	12/06/2019
05844	DPD-SM 4500 CL G 21ST	12/03/2019	01/06/2020

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

Detail Sample Information: 01JAN2019 - 31DEC2019

Sample Location	Contaminant ID	Analysis Result	MCL In Effect	Sample Date	Sample Type
703	TOTAL CHLORINE	2	.	12/10/2019	DISTRIBUTION
703	TOTAL COLIFORM PRESENCE	0	.	12/10/2019	DISTRIBUTION
801	TOTAL CHLORINE	2.02	.	12/10/2019	DISTRIBUTION
802	TOTAL CHLORINE	2.18	.	12/17/2019	DISTRIBUTION
803	TOTAL CHLORINE	2.15	.	12/24/2019	DISTRIBUTION
701	TOTAL CHLORINE	2.15	.	12/31/2019	DISTRIBUTION

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

Detail Sample Information: 01JAN2019 - 31DEC2019

Laboratory ID	Analysis Method	Analysis Date	Sample Received Date
AQUA PENNSYLVANIA - SHENANGO	DPD-SM 4500 CL G 21ST	12/10/2019	01/09/2020
AQUA PENNSYLVANIA - SHENANGO	GWR-ONPG-MUG (MMO-MUG)	12/10/2019	01/09/2020
05844	DPD-SM 4500 CL G 21ST	12/10/2019	01/06/2020
05844	DPD-SM 4500 CL G 21ST	12/17/2019	01/06/2020
05844	DPD-SM 4500 CL G 21ST	12/24/2019	01/06/2020
05844	DPD-SM 4500 CL G 21ST	12/31/2019	01/06/2020

*** PWSID = 6430077 | SYSTEM NAME = SOUTH PYMATUNING ***
*** SystemType = COMMUNITY | DEP REGION - NORTHWEST ***
*** eFACTS SiteID= 616872 ***

Violation Information for Federal Fiscal Years 2016 through 2020

Contaminant ID	Sample Point ID	Violation ID	Violation Type	Sample Type	Violation Awareness Date	Compliance Value	Enforcement Action 1	Enforcement Action 2	Enforcement Action 3	Enforcement Action 4	Enforcement Action 5	Enforcement Action 6	Fiscal Year
HALOACETIC ACIDS (FIVE)		01816	FAILURE TO ISSUE TIER 3 PUBLIC NOTIFICATION		11/21/2019	.	VIOLATION NOTICE	COMPLIANCE ACHIEVED					2020
TRIHALOMETHANES		01817	FAILURE TO ISSUE TIER 3 PUBLIC NOTIFICATION		11/21/2019	.	VIOLATION NOTICE	COMPLIANCE ACHIEVED					2020
CHLORINE	703	24055	R3	DISTRIBUTION	06/19/2019	.	VIOLATION NOTICE	REPORT RECEIVED LATE	COMPLIANCE ACHIEVED				2019
CHLORINE		29958	R3	DISTRIBUTION	07/24/2019	.	VIOLATION NOTICE	REPORT RECEIVED LATE	COMPLIANCE ACHIEVED				2019
HALOACETIC ACIDS (FIVE)		32043	FAILURE TO MONITOR OR REPORT FOR THE D/DBP CONTAMINANT SPECIFIED		10/18/2018	.	VIOLATION NOTICE	PUBLIC NOTICE REQ	COMPLIANCE ACHIEVED				2018
TRIHALOMETHANES		32044	FAILURE TO MONITOR OR REPORT FOR THE D/DBP CONTAMINANT SPECIFIED		10/18/2018	.	VIOLATION NOTICE	PUBLIC NOTICE REQ	COMPLIANCE ACHIEVED				2018
HALOACETIC ACIDS (FIVE)		01469	FAILURE TO ISSUE TIER 3 PUBLIC NOTIFICATION		11/27/2017	.	VIOLATION NOTICE	COMPLIANCE ACHIEVED					2018
TRIHALOMETHANES		01470	FAILURE TO ISSUE TIER 3 PUBLIC NOTIFICATION		11/27/2017	.	VIOLATION NOTICE	COMPLIANCE ACHIEVED					2018
HALOACETIC ACIDS (FIVE)		43798	FAILURE TO MONITOR OR REPORT FOR THE D/DBP CONTAMINANT SPECIFIED		10/20/2016	.	VIOLATION NOTICE	PUBLIC NOTICE REQ	COMPLIANCE ACHIEVED				2016
TRIHALOMETHANES		43799	FAILURE TO MONITOR OR REPORT FOR THE D/DBP CONTAMINANT SPECIFIED		10/20/2016	.	VIOLATION NOTICE	PUBLIC NOTICE REQ	COMPLIANCE ACHIEVED				2016

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 four Violations in 2019. The list of Violations are included in this CCR report on the Violation Information page. The Violations dated 11/21/2019 include "Failure to issue tier 3 public notification" for Haloacetic acids (five) and Trihalomethanies. The Violations dated 6/19/2019 and 7/24/2019 are Violation type "R3" regarding Chlorine sampling and failure to report on time. In the case of all four Violations, Compliance was achieved.

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, have provided South Pymatuning Township PWSID: 6430077 with water quality information monitored during 2019. The information is attached as part of "South Pymatuning Township's Annual Drinking Water Quality Report".

pennsylvania DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF SAFE DRINKING WATER

2019 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 31,2019. 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 (µg/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	0.27	0.02-0.27	NTU	2019	N	Soil runoff
Turbidity, % meeting plant performance (Aqua)	TT ≤ 0	NA	100%	100%-100%	%	2019	N	Soil Runoff
Barium (Aqua)	2	2	0.015	NA	ppm	2019	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Fluoride (Aqua)	2	2	0.84	NA	ppm	2019	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Atrazine (Aqua)	3	3	0.26	NA	ppb	2019	N	Runoff from herbicide used on row crops.
Chlorite (Distribution/ Aqua)	1	1	0.38	ND-0.99	ppm	2019	N	By-Product of drinking water chlorination.
Chlorite (Entry Point/ Aqua)	1	1	0.89	ND-0.89	ppm	2019	N	By-Product of drinking water chlorination.
Total Chlorine (Aqua)	MRDL=4	MRDLG=4	2.2	2.2-2.9	ppm	2019	N	Water additive used to control microbes.
Chlorine-Distribution System	MRDL=4	MRDLG= 4	2.2	1.0-2.2	ppm	2019	N	Water additive used to control microbes.
HAA5	60	N/A	39.7	24.2875-37.5125	ppb	2019	N	By-product of drinking water disinfection.
TTHM	80	N/A	67.3	42-48	ppb	2019	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	0.91	0.91-3.95	ppm	2019	N	Water additive used to control microbes.
Chlorine Dioxide* Entry Point (Aqua)	0.2	0*	0-0.16	ppm	2019	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**
E. coli	Routine and repeat samples are total coliform-positive **and** either is *E. coli*-positive **or** system fails to take repeat samples following *E. coli*-positive routine sample **or** system fails to analyze total coliform-positive repeat sample for *E. coli.*	0	0	N	Human and animal fecal waste.
Contaminants	**TT**	**MCLG**	**Assessments/ Corrective Actions**	**Violation Y/N**	**Sources of Contamination**
E. coli	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≤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)	35-45	32.1-47.9	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 Sharpsville 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 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.

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 Sharpsville 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 2020 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.

Unregulated Contaminants Detected During 2018			
Unregulated Contaminant	*Average Detection*	*Range of Detections*	*MCL*
Raw Samples (untreated)			
Bromide, ppb	**13.9**	**ND – 27.8**	**N/A**
Total Organic Carbon, ppb	**5555**	**3800-7310**	**N/A**
Entry Point Samples			
Manganese, ppb	**1.27**	**0.7-1.83**	**N/A**
Distribution Samples			
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**

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**

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.

Contaminants	Level Found	Range of Detections	MCL	MCLG	Sample Date	Violation Y/N	Major Sources in Drinking Water
Total Chlorine, ppm	2.2	2.2-2.9	MRDL = 4	MRDLG = 4	2019	N	Water additive used to control microbes
Turbidity, % meeting plant performance level	100.0%	100.0-100.0%	TT	NA	2019	N	Soil runoff
Turbidity, NTU	0.27	0.02-0.27	TT	NA	2019	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	35-45	32.1-47.9	0		2019	N	Naturally present in the environment
Inorganic Compounds							
Barium, ppm	0.015	NA	2	2	2019	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Fluoride, ppm	0.84	NA	2	2	2019	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	36.7	17.5-69.6	60	NA	2019	N	Byproduct of drinking water chlorination
Total Trihalomethanes, ppb	41.2	20.5-78.8	80	NA	2019	N	Byproduct of drinking water chlorination
Chlorite, ppm (distribution system)	0.38	ND-0.99	1	0.8	2019	N	Byproduct of drinking water chlorination
Chlorite, ppm (entry point)	0.89	ND-0.89	1	0.8	2019	N	Byproduct of drinking water chlorination
Synthetic Organic Compounds							
Atrazine, ppb	0.26	NA	3	3	2019	N	Runoff from herbicide used on row crops

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

Entry Point Disinfectant Residual						
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	0.91	0.2	0.91-3.95	2019	N	Water additive used to control microbes
Chlorine Dioxide, ppm (entry point)	0*	0.2	0-0.16	2019	N	Water additive used to control microbes

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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The 1996 amendments to the Safe Drinking Water 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. These data serve as a primary source of occurrence and exposure information that the agency uses to develop regulatory decisions. If a PWS monitoring for UCMR3 finds contaminants in its drinking water, it must provide the information to its customers in this annual water quality report. Below is a table of the results of our UCMR3 monitoring in 2013. All other contaminants tested during UCMR3 were Not Detected.

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 Carbon, ppb	5555	3800-7310	NA
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.