



## Consumer Confidence Report (CCR) Certification Form

 Name of CWS: South Pymatuning Township

 PWSID Number: 6430077

The community water system (CWS) named above confirms that its CCR for the period of January 1, 2014 through December 31, 2014 has been distributed to customers (and appropriate notices of availability have been given). The system also confirms that the information in the CCR is correct and consistent with the compliance monitoring data previously submitted to the Pennsylvania Department of Environmental Protection (DEP).

**Please check all items that apply to your CCR delivery.**

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

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

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

 Certified by: Signature:  Print Name: Burt R. DeVries

 Title: water system operator Phone: 724-962-7856 Date: 6/4/2015

<b>For DEP use only. Checked by:</b> _____ <b>Date:</b> _____
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# **SOUTH PYMATUNING TOWNSHIP**

3483 Tamarack Drive Sharpsville, PA 16150

Phone (724) 962-7856 Fax (724) 962-2141

[spymatuning@spypd.com](mailto:spymatuning@spypd.com)

[www.southpy.com](http://www.southpy.com)

June 4, 2015

Richard Kirby, Sanitarian  
Dept. of Environmental Protection  
Safe Drinking Water Program  
230 Chestnut Street  
Meadville, PA 16335

RE: CCR Certification

Dear Mr. Kirby:

Pertaining to posting in public places, the CCR was posted in the municipal building at the above address.



2014 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, Water System Operator at 724-962-7856 between the hours of 8:00 AM and 3:00 PM Monday through Thursday. 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 7:00 PM at the Township Building located at 3483 Tamarack Drive.

**SOURCE(S) OF WATER:**

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

Our water source is the Shenango River. South Pymatuning Township purchases our water from the Borough of Sharpsville (PWSID #6430055) who purchases bulk water from Aqua Pennsylvania's Shenango Valley Division, (PWSID #6430054), (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 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 & Protection web page* at (<http://www.dep.state.pa.us/dep/deputate/watermgmt/wc/Subjects/SrceProt/SourceAssessment/default.htm>). 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 Northwest 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, 2014. 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.

*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

Summary Sample Information: 01JAN2014 - 31DEC2014

Contaminant ID	Sample Period Start Date	Sample Period End Date	Last Sample Date	Number of Routine Samples Required	Number of Routine Samples Taken	No. Routine Samples Out of Compliance	Number Of Check Samples Required	Number Of Check Samples Taken	No. Check Samples Out Of Compliance	Average Result	Sample Received Date
CHLORINE	12/01/2014	12/31/2014	12/15/2014	1	1	0	.	0	0	2.5	01/07/2015
CHLORINE	11/01/2014	11/30/2014	11/20/2014	1	1	0	.	0	0	2.9	12/08/2014
CHLORINE	10/01/2014	10/31/2014	10/14/2014	1	1	0	.	0	0	1.4	11/06/2014
CHLORINE	09/01/2014	09/30/2014	09/16/2014	1	1	0	.	0	0	1	10/08/2014
CHLORINE	08/01/2014	08/31/2014	08/18/2014	1	1	0	.	0	0	1.3	09/09/2014
CHLORINE	07/01/2014	07/31/2014	07/10/2014	1	1	0	.	0	0	0.7	08/06/2014
CHLORINE	06/01/2014	06/30/2014	06/17/2014	1	1	0	.	0	0	2.1	07/07/2014
CHLORINE	05/01/2014	05/31/2014	05/14/2014	1	1	0	.	0	0	2.2	06/04/2014
CHLORINE	04/01/2014	04/30/2014	04/10/2014	1	1	0	.	0	0	1.9	05/08/2014
CHLORINE	03/01/2014	03/31/2014	03/12/2014	1	1	0	.	0	0	2.4	04/09/2014
CHLORINE	02/01/2014	02/28/2014	02/12/2014	1	1	0	.	0	0	1.7	03/06/2014
CHLORINE	01/01/2014	01/31/2014	01/13/2014	1	1	0	.	0	0	2	02/04/2014
TOTAL COLIFORM PRESENCE	12/01/2014	12/31/2014	12/15/2014	1	1	0	.	0	0	.	01/07/2015
TOTAL COLIFORM PRESENCE	11/01/2014	11/30/2014	11/20/2014	1	1	0	.	0	0	.	12/08/2014
TOTAL COLIFORM PRESENCE	10/01/2014	10/31/2014	10/14/2014	1	1	0	.	0	0	.	11/06/2014
TOTAL COLIFORM PRESENCE	09/01/2014	09/30/2014	09/16/2014	1	1	0	.	0	0	.	10/08/2014
TOTAL COLIFORM PRESENCE	08/01/2014	08/31/2014	08/18/2014	1	1	0	.	0	0	.	09/09/2014
TOTAL COLIFORM PRESENCE	07/01/2014	07/31/2014	07/10/2014	1	1	0	.	0	0	.	08/06/2014
TOTAL COLIFORM PRESENCE	06/01/2014	06/30/2014	06/17/2014	1	1	0	.	0	0	.	07/07/2014
TOTAL COLIFORM PRESENCE	05/01/2014	05/31/2014	05/14/2014	1	1	0	.	0	0	.	06/04/2014

\*\*\* PWSID = 6430077 | SYSTEM NAME= SOUTH PYMATUNING \*\*\*  
 Summary Sample Information: 01JAN2014 - 31DEC2014

Contaminant ID	Sample Period Start Date	Sample Period End Date	Last Sample Date	Number of Routine Samples Required	Number of Routine Samples Taken	No. Routine Samples Out of Compliance	Number Of Check Samples Required	Number Of Check Samples Taken	No. Check Samples Out Of Compliance	Average Result	Sample Received Date
TOTAL COLIFORM PRESENCE	04/01/2014	04/30/2014	04/10/2014	1	1	0	.	0	0	.	05/08/2014
TOTAL COLIFORM PRESENCE	03/01/2014	03/31/2014	03/12/2014	1	1	0	.	0	0	.	04/09/2014
TOTAL COLIFORM PRESENCE	02/01/2014	02/28/2014	02/12/2014	1	1	0	.	0	0	.	03/06/2014
TOTAL COLIFORM PRESENCE	01/01/2014	01/31/2014	01/13/2014	1	1	0	.	0	0	.	02/04/2014

Detail Sample Information: 01JAN2014 - 31DEC2014

Sample Location	Contaminant ID	Analysis Result	MCL In Effect	Sample Date	Sample Type	Laboratory ID	Analysis Method	Analysis Date	Sample Received Date
702	HALOACETIC ACIDS (FIVE)	0.0279	0.06	01/10/2014	DISTRIBUTION	AQUA PENNSYLVANIA, INC	LIQUID LIQUID EXT. & GC 552.2	01/31/2014	02/05/2014
701	TRIHALOMETHANES	0.0254	0.08	01/13/2014	DISTRIBUTION	AQUA PENNSYLVANIA, INC	PURGE & TRAP -GC/MS VOCS 524.3	01/16/2014	02/05/2014
703	HALOACETIC ACIDS (FIVE)	0.0319	0.06	01/13/2014	DISTRIBUTION	AQUA PENNSYLVANIA, INC	LIQUID LIQUID EXT. & GC 552.2	01/31/2014	02/05/2014
703	TRIHALOMETHANES	0.0237	0.08	01/13/2014	DISTRIBUTION	AQUA PENNSYLVANIA, INC	PURGE & TRAP -GC/MS VOCS 524.3	01/16/2014	02/05/2014
701	TRIHALOMETHANES	0.035	0.08	04/10/2014	DISTRIBUTION	AQUA PENNSYLVANIA, INC	PURGE & TRAP -GC/MS VOCS 524.3	04/16/2014	05/06/2014
702	HALOACETIC ACIDS (FIVE)	0.0295	0.06	04/10/2014	DISTRIBUTION	AQUA PENNSYLVANIA, INC	LIQUID LIQUID EXT. & GC 552.2	04/23/2014	05/06/2014
703	HALOACETIC ACIDS (FIVE)	0.0306	0.06	04/10/2014	DISTRIBUTION	AQUA PENNSYLVANIA, INC	LIQUID LIQUID EXT. & GC 552.2	04/19/2014	05/06/2014
703	TRIHALOMETHANES	0.0356	0.08	04/10/2014	DISTRIBUTION	AQUA PENNSYLVANIA, INC	PURGE & TRAP -GC/MS VOCS 524.3	04/16/2014	05/06/2014
701	TRIHALOMETHANES	0.078	0.08	07/10/2014	DISTRIBUTION	AQUA PENNSYLVANIA, INC	PURGE & TRAP -GC/MS VOCS 524.3	07/16/2014	07/29/2014
702	HALOACETIC ACIDS (FIVE)	0.0697	0.06	07/10/2014	DISTRIBUTION	AQUA PENNSYLVANIA, INC	LIQUID LIQUID EXT. & GC 552.2	07/18/2014	07/29/2014
703	HALOACETIC ACIDS (FIVE)	0.0505	0.06	07/10/2014	DISTRIBUTION	AQUA PENNSYLVANIA, INC	LIQUID LIQUID EXT. & GC 552.2	07/18/2014	07/29/2014

Detail Sample Information: 01JAN2014 - 31DEC2014

Sample Location	Contaminant ID	Analysis Result	MCL In Effect	Sample Date	Sample Type	Laboratory ID	Analysis Method	Analysis Date	Sample Received Date
703	TRIHALOMETHANES	0.0759	0.08	07/10/2014	DISTRIBUTION	AQUA PENNSYLVANIA, INC	PURGE & TRAP -GC/MS VOCS 524.3	07/16/2014	07/29/2014
701	TRIHALOMETHANES	0.0629	0.08	10/14/2014	DISTRIBUTION	AQUA PENNSYLVANIA, INC	PURGE & TRAP -GC/MS VOCS 524.3	10/17/2014	11/05/2014
702	HALOACETIC ACIDS (FIVE)	0.0361	0.06	10/14/2014	DISTRIBUTION	AQUA PENNSYLVANIA, INC	LIQUID LIQUID EXT. & GC 552.2	10/19/2014	11/05/2014
703	HALOACETIC ACIDS (FIVE)	0.0319	0.06	10/14/2014	DISTRIBUTION	AQUA PENNSYLVANIA, INC	LIQUID LIQUID EXT. & GC 552.2	10/19/2014	11/05/2014
703	TRIHALOMETHANES	0.0576	0.08	10/14/2014	DISTRIBUTION	AQUA PENNSYLVANIA, INC	PURGE & TRAP -GC/MS VOCS 524.3	10/17/2014	11/05/2014



**HEALTH EFFECTS:**

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

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**OTHER VIOLATIONS:**

South Pymatuning Township had no violations. However, Aqua had a violation in April of 2014 for failure to monitor/report on TOC. The monitoring report was received late and therefore compliance was achieved.

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**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:**

Monitoring for Cryptosporidium (a naturally occurring microbial pathogen) was conducted under a national program in 2009 on raw (untreated) water samples from our source, the Shenango River. Cryptosporidium was detected in 3 of 24 raw water samples, with an average count of 0.027 oocysts per liter. These levels are in the lowest category of risk for raw (untreated) water. Aqua's water treatment processes are designed to remove Cryptosporidium, but 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 regarding appropriate precautions to avoid infection.

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 UCMR 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 Aqua PA's UCMR monitoring in 2013. All other contaminants tested during UCMR were Not Detected.

<b><i>Unregulated Contaminants Detected During 2013</i></b>			
<b><i>Unregulated Contaminant</i></b>	<b><i>Average Detection</i></b>	<b><i>Range of Detections</i></b>	<b><i>MCL</i></b>
Hexavalent chromium, ppb	0.07	ND – 0.12	N/A
Strontium, ppb	71	63-79	N/A
Vanadium, ppb	0.11	ND – 0.22	N/A