



## 2015 ANNUAL DRINKING WATER QUALITY REPORT

PWSID #: 3060013 NAME: Maxatawny Township Municipal Authority

*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 Jeri Wehr, Secretary Treasurer at 610-683-6518. 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 Fourth Thursday of the month at 7:30PM, 127 Quarry Road, Kutztown, PA 19530.

**SOURCE(S) OF WATER:**

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

Well 1 - Ground Well - Bowers PA; Well 2 - Ground Well - Bowers PA; Spring 1 - Ground Spring - Bowers PA. In addition to the groundwater, the Township Authority maintains a 150,000 gallon storage tank, also located in Bowers, southwest of the spring/well area.

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/watermgt/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 Reading, PA Regional Office, Records Management Unit at (610) 916-0100.

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, 2015. 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)

*ppm* = parts per million, or milligrams per liter (mg/L)

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

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

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

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

**DETECTED SAMPLE RESULTS:**

<b>Chemical Contaminants</b>								
Contaminant	MCL in CCR Units	MCLG	Level Detected	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Nitrate	10	.10	3.5	3.5-3.5	ppm	12/11/15	N	Runoff / Fertilizer
Haloacetic Acid	60		.00146	.00146-.00146	ppb	08/13/15	N	By products of drinking water.
Chlorine	4		1.25	.49-1.25	ppm	01/2015	N	Additive used to control microbes
Trihalomethanes	80		.7	.0002-.7	ppb	08/13/15	N	By products of drinking water.
Trichloroethylene	5		2.3	1.8-2.3	ppb	06/18/15	N	Discharge from metal degreasing

<b>Entry Point Disinfectant Residual</b>							
Contaminant	Minimum Disinfectant Residual	Lowest Level Detected	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Chlorine	.40	.49	.49-1.25	ppm	12/15/15	N	Water additive used to control microbes.

<b>Lead and Copper</b>							
Contaminant	Action Level (AL)	MCLG	90 <sup>th</sup> Percentile Value	Units	# of Sites Above AL of Total Sites	Violation Y/N	Sources of Contamination
Lead	15	0	0.00	ppb	0 out of 5	N	Corrosion of household plumbing.
Copper	1.3	1.3	0.16	ppm	0 out of 5	N	Corrosion of household plumbing.

<b>Microbial</b>					
Contaminants	MCL	MCLG	Highest # or % of Positive Samples	Violation Y/N	Sources of Contamination
Total Coliform Bacteria	For systems that collect <40 samples/month: <ul style="list-style-type: none"> <li>• More than 1 positive monthly sample</li> </ul> For systems that collect ≥ 40 samples/month: <ul style="list-style-type: none"> <li>• 5% of monthly samples are positive</li> </ul>	0	0	N	Naturally present in the environment.
Fecal Coliform Bacteria or <i>E. coli</i>	0	0		N	Human and animal fecal waste.

<b>Raw Source Water Microbial</b>					
Contaminants	MCLG	Total # of Positive Samples	Dates	Violation Y/N	Sources of Contamination
<i>E. coli</i>	0		N/A	N	Human and animal fecal waste.

**HEALTH EFFECTS:**

Trichloroethylene (TCE) - Some people who drink water containing trichloroethylene in excess of MCL over many years could experience problems with their liver and may have an increased risk of getting cancer.

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**OTHER VIOLATIONS:**

04-01-2015 - Groundwater Rule - Failure to Monitor Report by the 10<sup>th</sup> of the month.

09-01-2015 - Groundwater Rule - Failure to Monitor Report by the 10<sup>th</sup> of the month.

12-01-2015 - Groundwater Rule - Failure to Monitor Report by the 10<sup>th</sup> of the month.

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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. Maxatawny Township Municipal Authority 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:**

Please visit our website at [www.maxatawny.net](http://www.maxatawny.net)

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### Consumer Confidence Report (CCR) Certification Form

Name of CWS: Maxatawny Township Municipal Authority PWSID Number: 3060013

The community water system (CWS) named above confirms that its CCR for the period of January 1, 2015 through December 31, 2015 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. Date delivered: 06-24-2016
- CCR was distributed by mail. Date mailed: \_\_\_\_\_
- 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 address: www.maxatawny.net Date mailed: \_\_\_\_\_
  - E-mail – direct URL to CCR\*
  - E-mail – CCR sent as an attachment to the e-mail\* } Date(s) email sent: \_\_\_\_\_
  - 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.maxatawny.net
  - 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: 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: Jerilyn R Wehr Print Name: Jerilyn Wehr  
 Title: Secretary Treasurer Phone: 610-683-6518 Date: 06-24-2016

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

**Safe Drinking Water Program Regional Office and County Health Department Contact Information  
for CCR and CCR Certification Form Submissions**

	<b>Southeast Region</b>	<b>Telephone</b>
Bucks, Chester, Delaware, Montgomery, Philadelphia	Norristown Regional Office 2 E. Main St., Norristown, PA 19401	484-250-5980
	<b>Northeast Region</b>	
Luzerne, Wyoming	Wilkes-Barre Regional Office 2 Public Square, Wilkes-Barre, PA 18701-1915	570-826-2511
Lackawanna, Susquehanna, Wayne	Scranton District Office 321 Spruce St., Ste 300, Scranton, PA 18503	570-963-4521
Carbon, Schuylkill	Pottsville District Office 5 W. Laurel Blvd., Pottsville, PA 17901-2454	570-621-3118
Monroe, Pike	Pocono District Office 2174B Route 611, Swiftwater, PA 18370	570-895-4040
Lehigh, Northampton	Bethlehem District Office 4530 Bath Pike, Bethlehem, PA 18017	610-861-2070
	<b>Southcentral Region</b>	
Dauphin, Juniata, Perry	Harrisburg Regional Office 909 Elmerton Ave., Harrisburg, PA 17110	717-705-4708
Bedford, Blair, Huntingdon, Mifflin	Altoona District Office 3001 Fairway Dr., Altoona, PA 16602-4473	814-946-7292
Adams, Cumberland, Franklin, Fulton, York	York District Office 150 Roosevelt Ave., Ste 200, York, PA 17401	717-771-4481
Lancaster, Lebanon	Lancaster District Office 1661 Old Philadelphia Pike, Lancaster, PA 17602	717-299-7601
Berks	Reading District Office 1005 Cross Roads Blvd., Reading, PA 19605	610-916-0100
	<b>Northcentral Region</b>	
Lycoming	Williamsport Regional Office 208 W. Third St., Ste 101, Williamsport, PA 17701	570-327-3490
Bradford, Potter, Sullivan, Tioga	Mansfield District Office 600 Gateway Dr., Mansfield, PA 16933	570-662-0830
Cameron, Centre, Clearfield, Clinton	Moshannon District Office 186 Enterprise Dr., Philipsburg, PA 16866	814-342-8200
Columbia, Montour, Northumberland, Snyder, Union	Sunbury District Office 309 N. 5 <sup>th</sup> St., Ste D, Sunbury, PA 17801-5500	570-988-5500
	<b>Southwest Region</b>	
Allegheny	Allegheny County Health Department 3901 Penn Ave., Bldg. 5, Pittsburgh, PA 15224-1318	412-578-8047
Armstrong, Westmoreland	New Stanton District Office 131 Broadview Rd., New Stanton, PA 15672	724-925-5500
Beaver, Washington	Beaver Falls District Office 715 15 <sup>th</sup> St., Beaver Falls, PA 15010	724-847-5270
Fayette, Greene	California District Office 25 Technology Dr., Coal Center, PA 15423	724-769-1100
Cambria, Indiana, Somerset	Cambria District Office 286 Industrial Park Rd., Ebensburg, PA 15931-4119	814-472-1900
	<b>Northwest Region</b>	
Clarion, Jefferson	Knox District Office White Memorial Bldg., 310 Best Ave., Knox, PA 16232	814-797-1191
Elk, Erie Forest, McKean, Warren	Warren District Office 321 N. State St., Warren, PA 16365	814-723-3273
Butler, Lawrence, Southern Mercer	New Castle District Office 121 N. Mill St., New Castle, PA 16101	724-656-3160
Crawford, Northern Mercer, Venango	Meadville Regional Office 230 Chestnut St., Meadville, PA 16335	814-332-6899