



# Annual Drinking Water Quality Report



Bristol Township Water Department (PWSID 1090126)

We're pleased to present to you this year's Annual Drinking Water Quality Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our primary water supply is purchased from Aqua PA and distributed by Bristol Township Water Department.

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

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

Bristol Township Water Department  
Mark Britton  
2501 Bath Rd.  
Bristol, PA 19007  
215-788-0922

Bristol Township Water Department routinely monitors for constituents in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1st to December 31st, 2008 All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk.

**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 persons, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).**

## Water Quality Definitions

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

*Non-Detects (ND) - laboratory analysis indicates that the contaminant is not present at a detectable level.*

*Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.*

*Parts per billion (ppb) or Micrograms per liter (µg/L) - one part per billion corresponds to one minute in 2,000 years or a single penny in \$10,000,000.*

*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 “Maximum Allowed” (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment*

*technology.*

*Maximum Contaminant Level Goal (MCLG) - The “Goal”(MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.*

*Maximum Residual Disinfectant Level (MRDL) - The highest level of a disinfectant that is 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.*

## Water Quality Data

Contaminant (Units)	Violation Y/N	Level Detected	Range	MCL	MCLG	Major Sources in Drinking Water
Inorganic Contaminants						
Chlorine (ppm)	Yes	1.57	0.04 to 1.57	4	4	Water additive used to control microbes.
Organic Contaminants						
Haloacetic Acids (HAA) (ppb)	None	51.1	25.1 to 51.1	60	NA	By-product of drinking water disinfection
TTHM Total Trihalomethanes (ppb)	None	65.2	18.2 to 65.2	80	N/A	By-product of drinking water chlorination

Lead and Copper							
Contaminant	Action Level (AL)	MCLG	90 <sup>th</sup> Percentile Value	Units	# of Sites Above AL of Total Sites	Violation Of TT Y/N	Sources of Contamination
Copper	1.3	1.3	0.25	ppm	0	None	Corrosion of household plumbing
Lead	15	0	2	ppb	0	None	Corrosion of household plumbing.

**Special Note on Coliform:** Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, bacteria may be present. In May through September of 2008 we did not monitor for total coliform as required by DEP. This resulted in a monitoring violation for these months In October of 2008 we resumed monitoring and have had no additional violations.

## Additional Information

As you can see by the table, our system had no violations resulting from contaminated water. We did receive a violation for not monitoring for Total Coliform and Chlorine for May through September of 2008. The issue was resolved and we have had no additional monitoring violations. We also received a violation in July for not submitting our 2007 Consumer Confidence Report to DEP by the deadline. This years Consumer Confidence Report is being delivered to you and to DEP by the required deadline.

We have learned through our monitoring and testing that some constituents have been detected. These contaminants are listed in the table above. The state allows us to monitor for some contaminants less than once a year because the concentrations of these contaminants do not change frequently. Some of our data, though representative, is more than one year old.

All sources of drinking water are subject to potential contaminants that are naturally occurring or man made. Those contaminants can be microbes, organic or inorganic chemicals, or radioactive materials. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

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 runoff, 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 process and petroleum production and mining activities.

- 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 prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.