

2004

Penn Township Municipal Authority Well #1-A Consolidated Water System Annual Drinking Water Quality Report

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 and always has been, to provide to you a safe and 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.

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

The water source, **Well #1A (PWSID # 4550028)** is located approximately three miles northwest of Selinsgrove along State Route 522.

We are pleased to report that our drinking water meets all federal and state requirements set forth by the *Safe Water Drinking Act*.

Penn Township Municipal Authority routinely monitors for constituents in your drinking water according to Federal and State laws. The table below shows the results of our monitoring for the period of January 1st to December 31st, 2004. 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.

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:

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 - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Action Level – (mandatory language) the concentration of a contaminant, which, if exceeded, triggers treatment or other requirements that a water system must follow.

Treatment Technique (TT) - (mandatory language) A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

Maximum Contaminant Level - (mandatory language) 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 - (mandatory language) 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.

Lead and Copper- 90th Percentile results							
Contaminant (units)	Action Level (AL)	MCLG	90th Percentile Value	Units	# of sites above AL of total sites	Violation of TT Y/N	Sources of contamination
Lead	15	0	4	ppb	0	N	Corrosion of Household plumbing
Copper	1.3	1.3	.56	ppm	0	N	Corrosion of Household plumbing
Detected Sample Results							
Chemical Contaminate	MCL in CCR Units	MCLG	Highest Level Detected in PTMA Water	Range of Detect-ions	Units	Violation Y/N	Source of Contamination
Nitrate (as Nitrogen) (ppm)	10	10	1.90	1.90	ppm	N	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Total Trihalomethanes (TTHMs)	80	N/A	13.6	13.6	ppb	N	By Product of drinking water chlorination
Haloacetic Acids (HAA)	60	N/A	7.6	7.6	Ppb	N	By-Product of drinking water chlorination
Radionuclides							
Chemical Contaminate	MCL in CCR Units	MCLG	Highest Level Detected in PTMA Water	Range of Detect-ions	Units	Violation Y/N	Source of Contamination
Alpha/Excl. Radon & Uranium	15	0	2.1	2.1	pCi/L	N	Erosion of Natural deposits

Footnotes:

- (a) Five samples required every three years
- (b) One sample per quarter.
- (c) One Sample annually
- (d) Every nine years

Reporting violations for 2004

There were no reporting violations for the calendar year of 2004

As you can see by the table, our system had no MCL violations. We're proud that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some constituents have been detected.

All sources of drinking water are subject to potential contamination by constants that are naturally occurring or man made. Those constituents can be microbes, organic or inorganic chemicals, or radioactive materials. All 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.

MCL's are set at very stringent levels for health effects. To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

Thank you for allowing us to continue providing your family with clean, quality water this year. In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit all of our customers. These improvements are sometimes reflected as rate structure adjustments. Thank you for understanding.

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 microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

We are required by the Pennsylvania Department of Environmental Protection Agency (DEP) to collect one sample for analysis of Coliform bacteria per month. We are pleased to announce that there were no Coliform bacteria detected in any of the samples collected. We are also required by DEP to have a chlorine residual equivalent to a trace or greater. The average chlorine residual for 2004 was 1.9 Milligrams per liter. In efforts to better serve you, our valued customer, and after careful preparation, the Penn Township Municipal Authority began fluoridating the consolidated water system in March 2002.

If you have any questions about this report or concerning your water utility, please contact the Penn Township Municipal Authority office at (570) 374-8256. The Penn Township Municipal Authority hours are Monday through Friday, 9:00 a.m. to 3:30 p.m. Penn Township Municipal Authority meets at 7:00 PM on the first Thursday of every month.

We at the Penn Township Municipal Authority work to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.