

Annual Drinking Water Quality Report
SOUTHWESTERN PENNSYLVANIA WATER AUTHORITY

PWS ID# 5300017

Este informe contiene información muy importante sobre su agua beber. Tradúzcalo o hable con alguien que lo entienda bien.
(This report contains very important information about your drinking water. Translate it or find someone to talk to who understands.)

We are pleased to present the Annual Drinking Water Quality Report and are proud to report that our drinking water meets all Federal and State requirements. This report is designed to inform you about the quality of water and services that we delivered to you over the past year. Our goal is, and always has been, to provide our customers a safe and dependable supply of drinking water from our Crucible Plant whose source is surface water from the Monongahela River.

Southwestern Pennsylvania Water Authority 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, 2022**. 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.

All sources of drinking water are subject to potential contamination by either naturally occurring or manmade constants. These constituents can appear in the form of microbes, organic or inorganic chemicals, or radioactive materials. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and their potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791. Southwestern Pennsylvania Water Authority works around the clock to provide top quality water to every consumer. We ask that all of our customers help protect our water resources, as they are a vital part of our community, our way of life and our children's future.

We have provided these definitions to help you better understand the terms in the following table.

ppm or mg/l (*parts per million or milligrams per liter*) – one part per million corresponds to one minute in two years.

ppb (*parts per billion or micrograms per liter*) – one part per billion corresponds to one minute in 2,000 years.

pCi/L (*picocuries per liter*) – picocuries per liter is a measure of the radioactivity in water

NTU (*Nephelometric Turbidity Unit*) – nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

AL (*Action Level*) – concentration of a contaminant if exceeded, triggers treatment or other requirements which a water system must follow.

TT (*Treatment Technique*) – a treatment technique is a required process intended to reduce the level of contaminant in drinking water.

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

MCL (*Maximum Contaminant Level*) – The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLG's as feasible using the best available treatment technology.

MRDL (*Maximum Residual Disinfectant Level*) – 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.

MRDLG (*Maximum Residual Disinfectant Level Goal*) – The level of drinking water disinfectant below which there is no known or expected risk to health. MRDLG's do not reflect the benefits of the use of disinfectants to control microbial contamination.

MinRDL (*Minimum Residual Disinfectant Level*) – The minimum level of residual required at the entry point to the distribution system.

Some persons may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as those who have cancer and are undergoing chemotherapy, those who have undergone organ transplants, those who tested positive for HIV/AIDS or other immune system disorders, some elderly and infants can be particularly at risk. Those persons 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 Hotline at 1-800-426-4791.

What does this information mean?

Although we have learned through monitoring and testing that some constituents have been detected, you can see by the following table that our system keeps a high standard and we strive for even higher. We are proud that our drinking water meets or exceeds all Federal and State requirements. If you have any questions concerning this report or your water utility, please contact our Manager at (724) 883-2301. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings.

They are held on the second Thursday of each month at **5:00 P.M.** at the Authority's Business Office located on 1442 Jefferson Road in Jefferson, Pennsylvania.

Detected Sample Results:

Chemical Contaminants							
Contaminant (Units)	Violation Y/N	Level Detected	Range	Sample Date	MCLG	MCL	Sources of Contamination
Fluoride (ppm)	N	0.90	-	2022	2	2	Water additive that promotes strong teeth.
Nitrate (ppm)	N	0.30	-	2022	10	10	Runoff from fertilizer use.
Chlorine (ppm)	N	1.90	.20-2.30	2022	MRDLG =4	MRDL= 4	Water additive used to control microbes.
TTHM (ug/l)	N	43	36-81	2022	NA	80	Byproduct of drinking water chlorination.
HAA5 (ug/l)	N	26.8	25-35	2022	NA	60	Byproduct of drinking water chlorination.
Combined Radium (pCi/l)	N	.54	-	2017	0	5	Erosion of natural deposits.
Gross Beta (pCi/L)	N	1.2	-	2011	0	50	Erosion of natural deposits.
Combined Uranium (pCi/L)	N	0	-	2020	0	20	

Entry Point Disinfectant Residual						
Contaminant (Units)	Violation Y/N	Lowest Level Detected	Range	Sample Date	MinRDL	Sources of Contamination
Chlorine (ppm)	N	0.85	0.80-2.30	2022	0.20	Water additive used to control microbes.

Lead and Copper							
Contaminant (Units)	Violation Y/N	90 th Percentile Value	Action Level (AL)	MCLG	Sample Date	# of Sites Above AL of Total Sites	Sources of Contamination
Lead (ppm)	N	.0005	15	.005	2022	0 out of 30	Corrosion of household plumbing.
Copper (ppm)	N	.02	1.3	1.3	2022	0 out of 30	Corrosion of household plumbing.

Turbidity						
Contaminant	Violation Y/N	Level Detected	MCL	MCLG	Sample Date	Sources of Contamination
Turbidity	N	0.23	TT =1 NTU for a single measurement	0	1/22-12/22	Soil runoff
	N	100%	TT=at least 95% of monthly samples <0.3 NTU		1/22-12/22	

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Total Organic Carbon (TOC)							
Contaminant	Violation Y/N	Level Detected	Range	Alternate Compliance Criteria used to Determine Compliance	MCLG	MCL	Sources of Contamination
TOC	N	1.75	1.2-2.4	0 Quarters out of compliance	TT	NA	Naturally present in the environment



SPWA

Southwestern Pennsylvania Water Authority

**1442 Jefferson Road
P.O. Box 187
Jefferson, Pa 15344
724-883-2301**

June 6, 2023

Re: Tier 3 Violation

Dear Customers,

This letter is to serve as Public Notice to our customers that SPWA received a Tier 3 violation for failure to report enough monthly Bacteria samples. The violation occurred in February of 2022 when three of SPWA's required monthly bacteria Samples were lost. The samples were lost by a Lab Courier from SPWA's contracted Lab. SPWA pulled the required samples along with all other required samples and delivered them to the Lab courier completing the appropriate chain of custody paper work. A chain of custody is a document filled out by SPWA noting the presence of all samples the document is then signed by the courier taking responsibility and confirming the total sample count. The Lab failed to notify SPWA of the loss in time for resamples to occur. SPWA has since changed labs and no longer uses a courier to deliver the samples.

Yours Truly,

Steve Lowther
Plant Manager