

MOUNTAIN WATER ASSOCIATION – PWSID# 5260032  
Annual Drinking Water Quality Report

Este informe contiene informacion muy importante sobre su agua beber. Traduzcalo O Hable Con Alguien Que Lo Entienda Bien.

(This report contains very important information about your drinking water. Translate it or speak to someone who understands it.)

This report is designed to inform you about the quality water and services that we delivered to you over the past year. Our goal is to provide you with a safe and dependable supply of drinking water. A large portion of our water supply is produced by our well, that we put in service in March 2000. The balance of our water supply is purchased from the North Fayette Municipal Authority. North Fayette Municipal Authority treats water withdrawn from the Youghiogheny River.

Mountain Water Association routinely monitors for constituents in your drinking water according to Federal and State laws. This table on the reverse side shows the results of our monitoring for the period of January 1<sup>st</sup> to December 31<sup>st</sup> 2021. All sources of drinking water are subject to possible contamination by contaminants that are naturally occurring or man made. Those contaminants can be microbes, organic or inorganic chemicals, or radioactive materials. 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. 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:

Action Level -The concentration of a contaminant which, if exceeded, triggers treatment or other requirements, which a water system must follow

Maximum Contaminant Level – 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 – 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 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 contamination.

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

ppb = parts per billion, or micrograms per liter (ug/L)

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

As you can see by the table; our drinking water meets or exceeds all Federal and State requirements.

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).

Thank you for allowing us to continue serving you and we will continue working around the clock to provide top quality water to our customers. 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.

If you have any questions about this report or concerning your water quality, please contact MWA at (724) 564-7510 Mon – Fri 8 a.m. – 3 p.m. We value our customers and want them to be informed about their water supply. If you want to learn more, please attend any of our regular scheduled meetings. They are held on the last Tuesday of every month at 4:00 p.m. at the Association's office building.

**Purchased Water Test Results 2021**

<b>Chemical Contaminant</b>	<b>MCL In CCR units</b>	<b>MCLG</b>	<b>Highest Level Detected</b>	<b>Range of Detection</b>	<b>Units</b>	<b>Violation Y/N</b>	<b>Sources of Contamination</b>
Chlorine	4	4	2.67	1.55-2.69	ppm	N	Water additive used to control microbes
Total Organic Carbon	See note below	Required removal of 35	43.0	32.0-43.0	% Removed	N	Naturally present in environment - Adequate removal of TOC maybe necessary to control unwanted formation of chlorination by-products.
Haloacetic acids five (HAA5)	60	60	39.0	15.0-39.0	ppb	N	By-product of drinking water chlorination (Based on Maximum Locational Running Annual Average [LRAA])
Trihalomethanes (TTHM)	80	80	75.0	10.3-75.0	ppb	N	By-product of drinking water chlorination (Based on Maximum Locational Running Annual Average [LRAA])
Nitrite	1	1	0.10	0.10	ppm	N	Runoff from fertilizer use
Fluoride	2	2	0.85 High daily value	0.39-0.85 IOC taken in 2017	ppm	N	Water additive, which promotes strong teeth
Radiological Testing – Gross Alpha	15	0	2.0 1 sample taken in 2021	2.0	pCi/L	N	Decay of natural and man-made deposits
Radiological Testing – Combined Uranium	0.3	0	0 1 sample taken 2014	0	pCi/L	N	Decay of natural and man-made deposits
Radiological Testing – Radium 226	5	0	1.6 1 sample taken in 2017	1.6	pCi/L	N	Decay of natural and man-made deposits

<b>Contaminant</b>	<b>Action Level (AL)</b>	<b>MCLG</b>	<b>90<sup>th</sup> Percentile Value</b>	<b>Units</b>	<b># of Sites Above AL of Total Sites</b>	<b>Violation Of TT Y/N</b>	<b>Sources of Contamination</b>
Lead	15	15	1.530	ppb	0 out of 30 Samples taken in 2019	N	Corrosion of household plumbing
Copper	1.3	1.3	0.17	ppm	0 out of 30 Samples taken in 2019	N	

<b>Contaminant</b>	<b>MCL</b>	<b>MCLG</b>	<b>Level Detected</b>	<b>Sample Date</b>	<b>Violation Of TT Y/N</b>	<b>Source of Contamination</b>
Turbidity	TT=1 NTU for a single measurement	0	0.12	09/2/21	N	Soil runoff
	TT= at least 95% of monthly samples ≤ 0.3 NTU	>5% of samples	100%	01/01/21-12/31/21	N	
	Lowest Monthly Percentage		100%	At least 95% of monthly samples <0.30 NTU	N	

Microbial Contaminants	MCL	MCLG	Highest # or % of positive Samples	Violation Y/N	Typical 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>&gt;5% of monthly samples are positive</li> </ul>	0	0% (0 positive)	N	Naturally present in the environment.

**Well Water Test Results 2021**

Chemical Contaminant	MCL in CCR units	MCLG	Highest Level Detected	Range of Detection	Units	Violation Y/N	Sources of Contamination
Chlorine^	MRDL= 4	MRDLG= 4	2.07	2.07-.061	ppm	N	Water additive used to control microbes
Trihalomethanes (TTHM)	80	NA	61.2	15.5-61.2	ppb	N	By-product of drinking water chlorination
Haloacetic acids five (HAA5)	60	NA	38.9	24.1-38.9	ppb	N	
Barium	2	2	0.0937	0.0937	ppm	N	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Radiological Testing – Radium226	5	0	1.07	1.07**	pCi/L	N	Decay of natural and man-made deposits

\*\*Sample taken in 2017

Microbial Contaminants	MCL	MCLG	Highest # of positive Samples	Violation Y/N	Typical 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	1 out of 48^	N	Naturally present in the environment.

^ Violation: – positive total coliform and e-coli sample. Residents notified and placed on boil water notice with 24 hours.

**Purchased and Well Water Results 2021**

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
Lead	15	0	0.0	ppm	0 out of 20	N	Corrosion of household plumbing
Copper	1.3	1.3	0.318	ppm	0 out of 20	N	