

WALNUT GROVE UTILITIES

WV3301942

Consumer Confidence Report – 2023

Covering Calendar Year – 2022

This brochure is a snapshot of the quality of the water that we provided last year. Included are the details about where your water comes from, what it contains, and how it compares to Environmental Protection Agency (EPA) and state standards. We are committed to providing you with information because informed customers are our best allies. If you would like to observe the decision-making process that affects drinking water quality or if you have any questions, please contact the office at support@jujwater.net or call Jeff Pippel at 304-728-2077.

Para obtener una copia en español, consulte nuestro sitio web www.jujwater.net/ccr.html. Para recibir una copia impresa por correo, póngase en contacto con nosotros en el número de teléfono anterior.

Your water comes from :

Source Name	Source Water Type
Bardane Well #11	Ground Water
Bardane Well #12	Ground Water
Burr Well #13	Ground Water under the Influence of Surface Water
Meadowbrook Well #8	Ground Water
Meadowbrook Well #9	Ground Water
Meadowbrook Well #10	Ground Water
Shenandoah Junction Well #14	Ground Water
Shenandoah Junction Well #15	Ground Water
Shenandoah Junction Well #16	Ground Water
Ambrose Well #7	Ground Water
Woodland Well #17	Ground Water
Woodland Well #18	Ground Water
Fox Glenn Well#19	Ground Water
Fox Glenn Well #20	Ground Water
Walnut Grove Well # 1	Ground Water

Buyer Name	Seller Name
There are no additional purchases to display.	

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as those 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).

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 EPA's Safe Drinking Water Hotline (800-426-4791).

The sources of drinking water (both tap water and bottled water) included 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 sources water before we treat it include:

Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, livestock operations and wildlife.

Inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm water 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 storm water run-off, agriculture, and residential users.

Radioactive contaminants, which can be naturally occurring or the result of mining activity.

Organic contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and also come from gas stations, urban storm water run-off, and septic systems.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limits the amount of certain contaminants in water provided by public water systems. We treat our water according to EPA's regulations. Food and Drug Administration regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Our water system has an estimated population of 7250 and is required to test a minimum of 8 samples per month in accordance with the Total Coliform Rule for microbiological contaminants. Coliform bacteria are usually harmless, but their presence in water can be an indication of disease-causing bacteria. When coliform bacteria are found, special follow-up tests are done to determine if harmful bacteria are present in the water supply. If this limit is exceeded, the water supplier must notify the public.

Water Quality Data

The following tables list all of the drinking water contaminants which were detected during the 2022 calendar year. The presence of these contaminants does not necessarily indicate the water poses a health risk. Unless noted, the data presented in this table is from the testing done January 1- December 31, 2022. The state requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, is more than one year old.



Terms & Abbreviations

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

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.

Secondary Maximum Contaminant Level (SMCL): recommended level for a contaminant that is not regulated and has no MCL.

Action Level (AL): the concentration of a contaminant that, if exceeded, triggers treatment or other requirements.

Treatment Technique (TT): a required process intended to reduce levels of a contaminant in drinking water.

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.

Non-Detects (ND): lab analysis indicates that the contaminant is not present.

Parts per Million (ppm) or milligrams per liter (mg/L)

Parts per Billion (ppb) or micrograms per liter (µg/L)

Parts per Trillion (ppt) or nanograms per liter (ng/L)

Picocuries per Liter (pCi/L): a measure of the radioactivity in water.

Millirems per Year (mrem/yr): measure of radiation absorbed by the body.

Monitoring Period Average (MPA): An average of sample results obtained during a defined time frame, common examples of monitoring periods are monthly, quarterly and yearly.

Nephelometric Turbidity Unit (NTU): a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person. Turbidity is not regulated for groundwater systems.

Running Annual Average (RAA): an average of sample results obtained over the most current 12 months and used to determine compliance with MCLs.

Locational Running Annual Average (LRAA): Average of sample analytical results for samples taken at a particular monitoring location during the previous four calendar quarters.

Testing Results for: WALNUT GROVE UTILITIES

Microbiological	Result	MCL	MCLG	Typical Source
No Detected Results were Found in the Calendar Year of 2022				

Regulated Contaminants	Collection Date	Highest Value	Range (low/high)	Unit	MCL	MCLG	Typical Source
ARSENIC	3/14/22	1.8	0- 1.8	ppb	10		Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
BARIUM	3/9/2022	0.14	0 - 0.14	ppm	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
CHROMIUM	3/8/2022	4.9	0 - 4.9	ppb	100	100	Discharge from steel and pulp mills; Erosion of natural deposits
ENDRIN	9/28/2022	0.017	0 - 0.017	ppb	2	2	Residue of banned insecticide
FLUORIDE	3/9/2022	0.44	0 - 0.44	ppm	4	4	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
NITRATE	3/9/2022	7.04	2.03 - 7.04	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
NITRATE-NITRITE	3/9/2022	7.04	0 - 7.04	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
TRICHLOROETHYLENE	7/11/2022	1.7	0 - 1.7	ppb	5	0	Discharge from metal degreasing sites and other factories

Disinfection Byproducts	Sample Point	Monitoring Period	Highest LRAA	Range (low/high)	Unit	MCL	MCLG	Typical Source
TOTAL HALOACETIC ACIDS (HAA5)	ALSTADS HILL ROAD	2022	10	6.4 - 9.4	ppb	60	0	By-product of drinking water disinfection
TOTAL HALOACETIC ACIDS (HAA5)	TA LOWERY ELEM.	2022	8	3.8 - 9.3	ppb	60	0	By-product of drinking water disinfection
TTHM	ALSTADS HILL ROAD	2022	35	26.06 - 37.62	ppb	80	0	By-product of drinking water chlorination
TTHM	TA LOWERY ELEM.	2022	89	21.58 - 75.53	ppb	80	0	By-product of drinking water chlorination

Lead and Copper	Monitoring Period	90 th Percentile	Range (low/high)	Unit	AL	Sites Over AL	Typical Source
COPPER, FREE	2022	0.18	0 - 0.54	ppm	1.3	0	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives

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. Your water system 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>.

WALNUT GROVE UTILITIES is working towards identifying service line materials throughout the water distribution supply. The service line inventory is required to be submitted to the state by October 16, 2024. The most up to date inventory is located at 270 Industrial Blvd., Kearneysville, WV. If you have any questions about our inventory, please contact Jeff Pippel at 304-728-2077.

Chlorine/Chloramines Maximum Disinfection Level	MPA	MPA Units	RAA	MRDL	RAA Units
2022 - 2022	2.2000	ppm	2.0	4.0	ppm

Total Organic Carbon Lowest Month for Removal	Collection Date	Highest Value	Range	Unit	TT	Typical Source
Total Organic Carbon	One per Month 2022	1.5	0 - 1.5	ppm	0	Naturally present in the environment

Analyte	Facility	Highest Value	Unit of Measure	Month Occurred
TURBIDITY	BURR TREATMENT PLANT	0.03	NTU	AUG 2022

Radiological Contaminants	Collection Date	Highest Value	Range (low/high)	Unit	MCL	MCLG	Typical Source
COMBINED RADIUM (-226 & -228)	12/21/2021	1.16	0 - 1.16	pCi/L	5	0	Erosion of natural deposits
GROSS ALPHA, EXCL. RADON & U	7/11/2022	4.54	0 - 4.54	pCi/L	15	0	Erosion of natural deposits

Secondary Contaminants-Non Health Based Contaminants-No Federal Maximum Contaminant Level (MCL) Established.	Collection Date	Highest Value	Range (low/high)	Unit	SMCL
ALKALINITY, TOTAL	4/28/2022	344	280 - 344	ppm	10000
CARBON, TOTAL	2/17/2022	1.5	0 - 1.5	ppm	10000
NICKEL	3/23/2022	0.0052	0.0011 - 0.0052	ppm	0.1
PH	8/7/2018	7.4	6.71 - 7.4	SU	8.5
SODIUM	5/23/2022	52	12 - 52	ppm	1000
SULFATE	9/7/2021	84.4	17.2 - 84.4	ppm	250
TEMPERATURE (CENTIGRADE)	8/7/2018	18.1	13.3 - 18.1	C	
ZINC	5/23/2022	0.0079	0.0079	ppm	5
DIBROMOCHLOROMETHANE	11/14/22	0.73	0.52- 0.73	ppb	
CHLOROFORM	11/14/22	0.56	0.56	ppb	

Secondary Contaminants-Non Health Based Contaminants-No Federal Maximum Contaminant Level (MCL) Established	Collection Date	Highest Value	Range (low/high)	Unit	SMCL
BROMODICHLOROMETHANE	10/26/22	0.80	0.80	ppb	

During the 2022 calendar year, we had the below noted violation(s) of drinking water regulations.

Compliance Period	Analyte	Comments
4/1/2022 - 12/22/2021	LEAD & COPPER RULE	LEAD CONSUMER NOTICE (LCR)
5/13/2022	PUBLIC NOTICE	PUBLIC NOTICE RULE LINKED TO VIOLATION
11/16/2022	PUBLIC NOTICE	PUBLIC NOTICE RULE LINKED TO VIOLATION
11/16/2022	PUBLIC NOTICE	PUBLIC NOTICE RULE LINKED TO VIOLATION
11/16/2022	PUBLIC NOTICE	PUBLIC NOTICE RULE LINKED TO VIOLATION
12/11/2022	PUBLIC NOTICE	PUBLIC NOTICE RULE LINKED TO VIOLATION

Additional Required Health Effects Language:

Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask for advice from your health care provider.

Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer.

Sampling Location	PFOA (ppt)	PFOS (ppt)	PFBS (ppt)	GenX Chemicals (ppt)
Entry point to distribution system	0	9.3	2.5	0

PFOA and PFOS are two PFAS compounds believed to have adverse health effects at very low concentrations. Because of these properties, PFOA and PFOS were phased out of production by U.S. manufactures in the mid-2000s. However, PFOA and PFOS can still be imported into the U.S. through consumer goods. They also remain in some drinking water sources due to decades of industrial pollution and consumer product use. The EPA has stated that approximately 80% of a person's exposure to PFAS comes from consumer goods such as cookware, cosmetics, food wrappings, stain/water-resistant clothing, and carpet and furniture treatments.

West Virginia Department of Health and Human Resources and the West Virginia Department of Environmental Protection, in conjunction with US Geological Survey (USGS), sampled for select Per- and polyfluoroalkyl substances (PFAS) in our water system. The USGS source water sample results can be found at <https://www.usgs.gov/centers/virginia-and-west-virginia-water-science-center/science/pfas-west-virginias-groundwater-and>. Finished water sample results can be found at <https://www.sciencebase.gov/catalog/item/6401ff0dd34e6929881229c1>.

Your CCR is available at www.juiwater.net/ccr.html . To receive a paper copy in the mail, please contact us at the phone number above or at support@juewater.net .