

KEYSER CITY OF

WV3302915

Consumer Confidence Report – 2021

Covering Calendar Year – 2020

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 affect drinking water quality, please call Ernest M. Crouse at 1-304-788-3913.

Your water comes from :

Source Name	Source Water Type
INTAKE-NEW CREEK	Surface 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 regulation 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 5202 and is required to test a minimum of 6 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 2020 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, 2020. 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)

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: KEYSER CITY OF

Microbiological	Result	MCL	MCLG	Typical Source
COLIFORM (TCR)	In the month of June, 1 sample(s) returned as positive	Treatment Technique Trigger	0	Naturally present in the environment

Regulated Contaminants	Collection Date	Highest Value	Range (low/high)	Unit	MCL	MCLG	Typical Source
BARIUM	9/2/2020	0.0599	0.0599	ppm	2	2	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
FLUORIDE	9/2/2020	0.56	0.56	ppm	4	4	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
NITRATE	9/2/2020	0.27	0.27	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
NITRATE-NITRITE	10/16/2019	0.2	0.2	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
NITRITE	10/16/2019	0.09	0.09	ppm	1	1	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits

Disinfection Byproducts	Sample Point	Monitoring Period	Highest LRAA	Range (low/high)	Unit	MCL	MCL G	Typical Source
TOTAL HALOACETIC ACIDS (HAA5)	DAVIS STREET-POLICE STATION	2020	24	12.9 - 17.5	ppb	60	0	By-product of drinking water disinfection
TOTAL HALOACETIC ACIDS (HAA5)	INAC- CLARY STREET-LEARNING CENTER	2020	23	19.6 - 19.6	ppb	60	0	By-product of drinking water disinfection
TOTAL HALOACETIC ACIDS (HAA5)	KEYSER FIRE DEPARTMENT	2020	20	19.6 - 20.2	ppb	60	0	By-product of drinking water disinfection
TTHM	DAVIS STREET-POLICE STATION	2020	40	11 - 32.7	ppb	80	0	By-product of drinking water chlorination
TTHM	INAC- CLARY STREET-LEARNING CENTER	2020	39	20.7 - 20.7	ppb	80	0	By-product of drinking water chlorination
TTHM	KEYSER FIRE DEPARTMENT	2020	57	13.2 - 56.6	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	2020	0.0463	0.0023 - 0.343	ppm	1.3	0	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
LEAD	2020	2.8	0 - 38.2	ppb	15	2	Corrosion of household plumbing systems; Erosion of natural deposits

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>.

Chlorine/Chloramines	MPA	MPA Units	RAA	RAA Units
Maximum Disinfection Level				
11/01/2020 - 11/30/2020	1.8	MG/L	0.8	MG/L

Unresolved Deficiency Date Identified	Facility	Comments
02/25/2020	DISTRIBUTION SYSTEM	Has begun implementing program ~50% complete

Total Organic Carbon Lowest Month for Removal	Collection Date	Highest Value	Range	Unit	TT	Typical Source
CARBON, TOTAL	12/2/2020	2	1.2 - 2	MG/L	0	Naturally present in the environment

Analyte	Facility	Highest Value	Unit of Measure	Month Occurred
No Detected Results were Found in the Calendar Year of 2020				

Radiological Contaminants	Collection Date	Highest Value	Range (low/high)	Unit	MCL	MCLG	Typical Source
GROSS ALPHA, EXCL. RADON & U	10/16/2019	1.05	1.05	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
CARBON, TOTAL	12/2/2020	2	1.2 - 2	ppm	10000
NICKEL	9/2/2020	0.00044	0.00044	MG/L	0.1
PH	3/4/2020	7.5	7.5	SU	8.5
SULFATE	9/2/2020	21.8	21.8	MG/L	250

During the 2020 calendar year, we had the below noted violation(s) of drinking water regulations.

Compliance Period	Analyte	Comments
7/24/2020 - 8/17/2020	LT2ESWTR	FAILURE ADDRESS DEFICIENCY (EPA SURVEY)
7/24/2020	LT2ESWTR	FAILURE ADDRESS DEFICIENCY (EPA SURVEY)
2/1/2020 - 2/29/2020	CHLORINE	FAILURE TO COMPLETE OR SUBMIT MOR
8/1/2020 - 8/31/2020	CHLORINE	FAILURE TO COMPLETE OR SUBMIT MOR
11/1/2020 - 11/30/2020	CHLORINE	FAILURE TO COMPLETE OR SUBMIT MOR
1/1/2020 - 3/31/2020	CHLORINE	MONITORING, ROUTINE (DBP), MAJOR
1/1/2020 - 3/31/2020	ALKALINITY, TOTAL	MONITORING, ROUTINE (DBP), MAJOR

1/1/2020 - 3/31/2020	CARBON, TOTAL	MONITORING, ROUTINE (DBP), MAJOR
2/29/2020 - 5/31/2020	TRICHALOMETHANES	MONITORING, ROUTINE (DBP), MAJOR
2/29/2020 - 5/31/2020	HALOACETIC ACIDS	MONITORING, ROUTINE (DBP), MAJOR
7/1/2020 - 9/30/2020	CHLORINE	MONITORING, ROUTINE (DBP), MAJOR
7/1/2020 - 9/30/2020	ALKALINITY, TOTAL	MONITORING, ROUTINE (DBP), MAJOR
10/1/2020 - 12/31/2020	CHLORINE	MONITORING, ROUTINE (DBP), MAJOR
2/1/2020 - 2/29/2020	E. COLI	MONITORING, ROUTINE, MINOR (RTCR)
8/1/2020 - 8/31/2020	E. COLI	MONITORING, ROUTINE, MINOR (RTCR)
2/1/2020 - 2/29/2020	CHLORINE	MONITORING, RTN/RPT MAJOR (SWTR-FILTER)
8/1/2020 - 8/31/2020	CHLORINE	MONITORING, RTN/RPT MAJOR (SWTR-FILTER)
11/1/2020 - 11/30/2020	CHLORINE	MONITORING, RTN/RPT MAJOR (SWTR-FILTER)

Additional Required Health Effects Language:

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.

Infants and children are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. If you are concerned about elevated lead levels in your home's water, you may wish to have your water tested and flush your tap for 30 seconds to 2 minutes before using tap water. Additional information is available from the Safe Drinking Water Hotline (800-426-4761).

There are no additional required health effects violation notices.

Water System	Type	Category	Analyte	Compliance Period
No Violations Occurred in the Calendar Year of 2020				

There are no additional required health effects violation notices.

There are no additional required health effects notices.

Your CCR is available at WWW://cityofkeyser.com. To receive a paper copy in the mail, please contact us at the phone number above.

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Monitoring Requirements Not Met for Keyser City WV3302915

Our water system violated drinking water monitoring requirements within the past year. Even though these were not emergencies, you, as our customers, have a right to know what happened and what we did to correct the situation. We are required to monitor your drinking water on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During periods listed in the table below, we did not monitor or test as required and therefore cannot be sure of the quality of our drinking water during that time.

What should I do?

There is nothing you need to do at this time.

The table below lists the monitoring we did not conduct, how often we are supposed to sample and when the samples should have been taken.

Required Monitoring	Required Monitoring Frequency	Compliance Period
Disinfectant By-Product (DPB) sampling. Monitoring for Haloacetic Acids (HAA5) and Trihalomethanes (TTHM) (Type 27)	Quarterly	04/01/2020 to 06/30/2020
Monthly Operation Report (MOR) Chlorine (Types 36 and 27)	Monthly	01/01/2021 to 01/31/2021 11/01/2020 to 11/30/2020 08/01/2020 to 08/31/2020
Failure to Correct Sig. Deficiencies identified in Sanitation Survey (Type 45)	Within 60 days after survey	Beginning 07/24/2020
Failure to Monitor/Report Coliform Results (Type 3A)	Monthly	08/01/2020 to 08/31/2020
Failure to Monitor or Report Alkalinity	Quarterly	07/01/2020 to 09/30/2020

What happened? What is being done? (Describe corrective action)

We were put in violation for not meeting the monitoring required for the compliance period listed above. We are working with the state to make sure we stay in compliance. We are working to fully implement our cross connection control and backflow prevention program and expect it to be completed by August 1st 2021.

For more information, please contact Patrick Hatterman at 304-788-3913
(Contact Name) (Phone Number)

or 111 North Davis Street, Keyser WV 26726
(Mailing Address)

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

This notice is being sent to you by Keyser City

State Water System ID# WV3302915

Date Distributed _____

IMPORTANT INFORMATION

The following pages comprise the Annual Consumer Confidence Report (CCR) for your water system.

To download the CCR into your word processing program, follow these steps. Remember you must have the document set up in Landscape Orientation.

- * Choose Select All from the edit drop down MENU. (it will highlight all the information)
- * Choose Edit from the Menu, select Copy from the edit dropdown Menu.
- * Open your word processing program.
- * Choose Edit from the MENU, select Paste from the edit dropdown MENU and the information will transfer.
- * Choose Edit from the Menu.

In order to meet all the requirements of the CCR, you must include the following additional information if it pertains to your water system.

- * The report must include the telephone number of the owner, operator, or designee of the community water system as a source of additional information concerning the report.
- * In communities with a large proportion of non-English speaking residents, as determined by the Primacy Agency, the report must contain information in the appropriate language(s) regarding the importance of the report or contains a telephone number or address where such residents may contact the system to obtain a translated copy of the report and/or assistance in the appropriate language.
- * The report must include information about opportunities for public participation in decisions that may affect the quality of the water (e.g., time and place of regularly scheduled board meetings).
- * If your water system purchases water from another source, you are required to include the current CCR year's Regulated Contaminants Detected table from your source water supply.
- * If your water system had any violations during the current CCR Calendar year, you are required to include an explanation of the corrective action taken by the water system.
- * If your water system is going to use the CCR to deliver a Public Notification, you must include the full notice and return a copy of the CCR and Public Notice with the public Notice. This is in addition to the copy and certification form required by the CCR Rule.
- * The information about likely sources of contamination provided in the CCR is generic. Specific information regarding contaminants may be available in sanitary surveys and source water assessments and should be used when available to the operator.
- * If a community water system distributes water to its customers from multiple hydraulically independent distribution systems fed by different raw water sources, the table should contain a separate column for each service area, and the report should identify each separate distribution system. Alternatively, systems may produce separate reports tailored to include data for each service area.

- * Detections of unregulated contaminants for which monitoring is required are not included in the CCR and must be added. When added, the information must include the average and range at which the contaminant was detected.
- * If a water system has performed any monitoring for Cryptosporidium, including monitoring performed to satisfy the requirements of the Information Collection Rule [ICR] (141.143), which indicates that Cryptosporidium may be present in the source water or the finished water, the report must include: (a) a summary of the results of the monitoring; and (b) an explanation of the significance of the results.
- * If a water system has performed any monitoring for radon which indicate that radon may be present in the finished water, the report must include: (a) The results of the monitoring; and (b) An explanation of the significance of the results.
- * If a water system has performed additional monitoring which indicates the presence of other contaminants in the finished water, EPA strongly encourages systems to report any results which may indicate a health concern. To determine if results may indicate a health concern, EPA recommends that systems find out if EPA has proposed an NPDWR or issued a health advisory for that contaminant by calling the Safe Drinking Water Hotline (800-426-4791). EPA considers detects above a proposed MCL or health advisory level to indicate possible health concerns. For such contaminants, EPA recommends that the report include: (a) the results of the monitoring; and (b) an explanation of the significance of the results noting the existence of a health advisory or a proposed regulation.
- * If you are a groundwater system that receives notice from a state of a significant deficiency, you must inform your customers in your CCR report of any significant deficiencies that are not corrected by December 31 of the year covered by it. The CCR must include the following information:
 - The nature of the significant deficiency and the date it was identified by the state.
 - If the significant deficiency was not corrected by the end of the calendar year, include information regarding the State-approved plan and schedule for correction, including interim measures, progress to date, and any interim measures completed.
 - If the significant deficiency was corrected by the end of the calendar year, include information regarding how the deficiency was corrected and the date it was corrected.

Annual Drinking Water Quality Report

MD0010045

SOUTHERN REGION ALLEGANY DISTRIB. SYSTEM

Annual Water Quality Report for the period of January 1 to December 31, 2020

This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking water.

SOUTHERN REGION ALLEGANY DISTRIB. SYSTEM is Purchased Surface Water

For more information regarding this report contact:

Name James L. Klaber, P.E.

Phone 801.777.5942 x 208

Este informe contiene información muy importante sobre el agua que usted bebe.
Tradúzcalo ó hable con alguien que lo entienda bien.

- 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.

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

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. We are responsible for providing high quality drinking water, but we 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>.

Source Water Information

SWA = Source Water Assessment

Source Water Name

Type of Water

Report Status

Location

CC-WV3302915-TP99

KEYSER, WV PURCHASE

SW

A source water assessment has been performed by the Maryland Department of the Environment and is accessible on their website

Water Quality Test Results**Definitions:**

The following tables contain scientific terms and measures, some of which may require explanation.

Avg:

Regulatory compliance with some MCLs are based on running annual average of monthly samples.

Maximum Contaminant Level or MCL:

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.

Level 1 Assessment:

A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

Maximum Contaminant Level Goal or MCLG:

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.

Level 2 Assessment:

A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

Maximum residual disinfectant level or 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 or 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.

na:

not applicable.

mrem:

millirems per year (a measure of radiation absorbed by the body)

ppb:

micrograms per liter or parts per billion - or one ounce in 7,350,000 gallons of water.

ppm:

milligrams per liter or parts per million - or one ounce in 7,350 gallons of water.

Treatment Technique or TT:

A required process intended to reduce the level of a contaminant in drinking water.

Regulated Contaminants

Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Chlorine	2020	0.6	0.4 - 0.6	MRDLG = 4	MRDL = 4	ppm	N	Water additive used to control microbes.
Haloacetic Acids (HAA5)	2020	29	12.7 - 47.5	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2020	36	22.51 - 49.3	No goal for the total	80	ppb	N	By-product of drinking water disinfection.