Annual Drinking Water Quality Report 2021
Greater Harrison County PSD
151 Peninsula Park Avenue
P.O. Box 190
West Milford, WV 26451
Fair Oaks Subdivision PWSID# WV3302534
June 28, 2022

In compliance with the Safe Drinking Water Act Amendments, the **Greater Harrison County PSD** is providing its customers with this annual water quality report. This report explains where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. The information in this report shows the results of our monitoring for the period of January 1st to December 31st, 2021 or earlier if not on a yearly schedule.

If you have any questions concerning this report, you may contact **Matthew (Matt) Evans, Chief Operator,** Monday through Friday (7:30am – 3:30pm) at 304-745-3463. If you have any further questions, comments or suggestions, please attend any of our regularly scheduled water board meetings held on the **3rd Wednesday of every month at 9:00 AM** in the West Milford Community Building.

Your drinking water is **purchased** from Tri County Water Association which purchases water from The City of Fairmont. Fairmont treats **Surface Water** from the Tygart River.

A Source Water Protection Plan was updated in 2003. The intake that supplies drinking water to the **The City of Fairmont** has a higher susceptibility to contamination, due to the sensitive nature of surface water supplies and the potential contaminant sources identified within the area. This does not mean that this intake will become contaminated only that conditions are such that the surface water could be impacted by a potential contaminant source. Future contamination may be avoided by implementing protective measures. The Source Water Protection Plan, which contains more information is available for review from the WVBPH 304-558-2981.

All drinking water contains various amounts and kinds of contaminants. Federal and state regulations establish limits, controls, and treatment practices to minimize these contaminants and to reduce any subsequent health effects.

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 of contaminants in bottled water which must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of these 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 Environmental Protection Agency's Safe Drinking Water Hotline (800-426-4791).
The source of drinking water (both tap and bottled water) includes rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of 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 source water include:

Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural 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, farming.

Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.
Radioactive contaminants, which can be naturally-occurring or the result of oil and gas production and mining activities.

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 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).

Definitions of terms and abbreviations used in the table or report:

- **AL - Action Level**, or the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow.
- **LRAA -** Locational Running Annual Average is an average of sample analytical results for samples taken at a particular monitoring location during the previous four calendar quarters.
- **MCL - Maximum Contaminant Level**, or 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 technique.
- **MCLG - Maximum Contaminant Level Goal**, or 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.
- **MRDL - Maximum Residual Disinfectant Level,** or the highest level of disinfectant allowed in drinking water. There is convincing evidence that addition of disinfectant is necessary to control microbial contaminants.
- **MRDLG - Maximum Residual Disinfectant Level Goal**, or the level of drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect benefits of use of disinfectants to control microbial contaminants.
- **N/A -** not applicable
- **ND –** Not Detectable, no contaminants were detected in the sample(s) taken.
- **NE -** not established
- **NTU** - Nephelometric Turbidity Unit, used to measure cloudiness in water
- **ppb** - parts per billion or micrograms per liter **(µg/l)**
- **pCi/L** – picocuries per liter (a measure of radioactivity)
- **ppm** - parts per million or milligrams per liter **(mg/l)**
- **TT - Treatment Technique**, or a required process intended to reduce the level of a contaminant in drinking water.

The **Greater Harrison County Public Service District, Fair Oaks Subdivision** routinely monitor for contaminants in your drinking water according to federal and state laws. The tables below show the results of our monitoring for contaminants.

Table of Test Results - Regulated Contaminants – Fair Oaks Subdivision

Disinfectant						
Contaminant	**Violation Y/N**	**Level Detected**	**Unit of Measure**	**MRDLG**	**MRDL**	**Likely Source of Contamination**
Chlorine	N	RAA 1.2 Range 0.22-1.57	ppm	4	4	Water additive used to control microbes

Disinfection Byproducts	Violation Y/N	Highest LRAA	Range (low/high)	Unit of measure	MCLG	MCL	Likely source of Contamination
*Haloacetic acids (HAA5) **203 Fair Oaks**	Y	***46.825***	15 / 63.7	ppb	NA	60	By-product of drinking water disinfection
Total trihalomethanes (TTHMs) **203 Fair Oaks	Y	***48.025***	15 / 79.5	ppb	NA	80	By-product of drinking water chlorination

*Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of cancer.

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

Highest LRAA is an estimate due to samples not being collected for two quarters of the seven required to get the LRAA calculations.

The system cannot assure good water quality during this time period due to the samples not being taken as required.

Lead and Copper - Copper and Lead samples were collected from 5 area residences on June 18th, 2019							
Contaminant	**Monitoring Period**	**90th Percentile**	**Range**	**Unit of Measure**	**AL**	**Sites Over AL**	**Likely Source of Contamination**
Copper, Free	2016 - 2019	0.0365	0.0034 - 0.046	ppm	1.3	0	Corrosion of household plumbing systems; erosion of natural deposits.
Lead	2016 - 2019	N/D	0.00 – 0.00	ppb	15	0	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. The **Greater Harrison County PSD (Fair Oaks)** 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 drinking 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 at 1-800-426-4791 or at http://www.epa.gov/safewater/lead.

During the 2021 calendar year, we had the below noted violation(s) of drinking water regulations.

Compliance Period	Analyte	Comments
10/1/2021	Consumer Confidence Rule	CCR Adequacy/Availability/Content
10/1/2021	Lead & Copper Rule	Follow-Up or Routine Tap M/R (LCR)
4/1/2021 – 6/30/2021	Trihalomethanes	Monitoring, Routine (DBP), Major
4/1/2021 – 6/30/2021	Haloacetic Acids	Monitoring, Routine (DBP), Major
2/14/2021	Public Notice	Public Notice Rule Linked to Violation
5/14/2021	Public Notice	Public Notice Rule Linked to Violation
11/14/2021	Public Notice	Public Notice Rule Linked to Violation

The system operation specialists **have made every effort and taken every precaution to return to compliance.**

Fair Oaks had *one Minor Deficiency* on the last Sanitary Survey performed by the West Virginia Bureau for Public Health on December 30th, 2020.

1. The access hatch to the master meter is not locked to prevent unauthorized access.

Some or all of our drinking water is supplied from another water system. The tables below list some of the drinking water contaminants which were detected in 2021. The entire list can be found at www.Fairmontwv.gov

Table of Test Results - Regulated Contaminants – The City of Fairmont

Inorganic Contaminants						
Contaminant	Violation	Level Detected	Unit of Measure	MCLG	MCL	Likely Source of Contamination
Barium	No	0.0367	ppm	2	2	Discharge from drilling wastes, discharge from metal refineries, erosion of natural deposits.
Dalapon	No	0.67	ppb	1	1	Runoff from herbicide use on rights of way
Fluoride	No	0.67	ppm	4	4	Erosion of natural deposits; water additive that promotes strong teeth; discharge from aluminum and fertilizer plants
Nitrate	No	0.29	ppm	10	10	Runoff from fertilizer use; erosion of natural deposits

National Secondary Drinking Water Regulations are non-enforceable guidelines regarding contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. EPA recommends secondary standards to water systems but does not require systems to comply.

Secondary Contaminants			
Contaminant	Level Detected	Unit of Measure	SMCL
Sulfate	39	ppm	250
Chloride	8.6	ppm	250

Radionuclides						
Contaminant	Violation	Level Detected	Unit of Measure	MCLG	MCL	Likely Source of Contaminant
Gross Alpha, Excluding Radon & U	No	0.352	pCi/L	0	15 pCi/L	Erosion of natural deposits

In the 2021 calendar year, The City of Fairmont had the below noted violation(s) of drinking water regulations.

Compliance Period	Analyte	Comments
10/1/2021	Consumer Confidence Rule	CCR Adequacy/Availability/Content

Fairmont has made every effort and taken every precaution to return to compliance.

Additional Information

In the 2021 calendar year, The Tri-County Water Association had the below noted violation(s) of drinking water regulations.

Compliance Period	Analyte	Comments
10/1/2021	Consumer Confidence Rule	CCR Adequacy/Availability/Content
7/1/2021	Consumer Confidence Rule	CCR Report
2/1/2021 – 2/28/2021	Chlorine	Failure to Complete or Submit MOR
3/1/2021 – 3/31/2021	Chlorine	Failure to Complete or Submit MOR
8/1/2021 – 9/31/2021	Chlorine	Failure to Complete or Submit MOR
9/1/2021 – 9/30/2021	Chlorine	Failure to Complete or Submit MOR
11/1/2021 – 11/30/2021	Chlorine	Failure to Complete or Submit MOR
1/1/2021 – 3/31/2021	Haloacetic Acids	Monitoring, Routine (DBP), Major
1/1/2021 – 3/31/2021	Trihalomethanes	Monitoring, Routine (DBP), Major
7/1/2021 – 9/30/2021	Haloacetic Acids	Monitoring, Routine (DBP), Major
7/1/2021 – 9/30/2021	Trihalomethanes	Monitoring, Routine (DBP), Major
10/1/2021 – 12/31/2021	Haloacetic Acids	Monitoring, Routine (DBP), Major
10/1/2021 – 12/31/2021	Trihalomethanes	Monitoring, Routine (DBP), Major

The Tri-County Water Association has made every effort and taken every precaution to return to compliance.

All other water test results for the reporting year 2021 were all non-detects.

PLEASE SHARE THIS REPORT WITH OTHER PEOPLE WHO DRINK THIS WATER, ESPECIALLY THOSE WHO DO NOT RECEIVE THIS INFORMATION DIRECTLY. (FOR EXAMPLE, RESIDENTS IN APARTMENT BUILDINGS, NURSING HOMES, SCHOOLS, AND BUSINESSES).

This report will not be mailed. A copy will be provided to you upon request at our office during regular business hours.