

Annual Drinking Water Quality Report 2019 ***Revised***

Tomlinson PSD
PO Box 369
Chester, WV 26034
Tomlinson PWS-3301519
Grant PWS-3301507
April 1, 2020

Why am I receiving this report?

In compliance with the Safe Drinking Water Act Amendments, the **Tomlinson 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, 2019 or earlier if not on a yearly schedule.

If you have any questions concerning this report, you may contact **Manager, 304-387-2658**. If you have any further questions, comments or suggestions, **please attend any of our regularly scheduled water board meetings held on the last Wednesday of every month at 10:00 am in the PSD Office at 2830 Sixth St, New Cumberland, WV.**

Where does my water come from?

Your drinking water source is **purchased groundwater** from the City of New Cumberland, Wells 1D,1C, and 1 B for WV3301519 Tomlinson System customers and The Newell Company, Wells, 2,3, and 4 for WV 3301507 Grant System customers which uses deep wells.

Source Water Assessment

The wells that supply drinking water to the **City of New Cumberland and the Newell Company** have a higher susceptibility to contamination, due to the sensitive nature of the aquifer in which the drinking water wells are located and the existing potential contaminant sources identified within the area. This does not mean that the wellfield will become contaminated; only that conditions are such that the ground water could be impacted by a potential contaminant source. Future contamination may be avoided by implementing protective measures. The source water assessment report which contains more information is available for review or a copy will be provided to you at our office during business hours or from the WVBPH 304-558-2981.

Why must water be treated?

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.

Contaminants in Water

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).

Water Quality Data Table

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

- **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.
- **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.
- **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.
- **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.
- **TT-Treatment Technique**, or a required process intended to reduce the level of contaminant in drinking water
- **AL-Action Level**, or the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow.
- **Variances and Exemptions**, a State or EPA permission not to meet an MCL or a treatment technique under certain conditions

Abbreviations that may be found in the table:

- **ppm** - parts per million or milligrams per liter
- **ppb** - parts per billion or micrograms per liter
- **NE** - not established
- **N/A** - not applicable

The **Tomlinson PSD, City of New Cumberland and The Newell Company** 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 – Tomlinson PSD - Grant System WV3301507

Contaminant	Violation Y/N	Level Detected	Unit of Measure	MCLG	MCL	Likely Source of Contamination
Volatile Organic Contaminants						
Chlorine	N	0.47 Annual avg. Range 0.25-0.77	ppm	4 MRDLG	4 MRDL	Water additive used to control microbes
Haloacetic acids (HAAC5)	N	4.56	ppb	NA	60	By-product of drinking water disinfection
Total trihalomethanes (TTHMs)	N	29.6	ppb	NA	80	By-product of drinking water chlorination
Inorganic Contaminants						
Copper*	N	0.144	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits
Lead*	N	1.0	ppb	0	AL=15	Corrosion of household plumbing system; erosion of natural deposits

*Copper and lead samples were collected from area10 residences on 08/28-30/2017. Only the 90th percentile is reported. None of the samples exceeded the AL.

Table of Test Results - Regulated Contaminants – Tomlinson PSD- Tomlinson System WV3301519

Contaminant	Violation Y/N	Level Detected	Unit of Measure	MCLG	MCL	Likely Source of Contamination
Volatile Organic Contaminants						
Chlorine	N	0.89 Annual avg. Range 0.21-2.11	ppm	4 MRDLG	4 MRDL	Water additive used to control microbes
Haloacetic acids (HAAC5)	N	8.65	ppb	NA	60	By-product of drinking water disinfection
Total trihalomethanes (TTHMs)	N	24.8	ppb	NA	80	By-product of drinking water chlorination
Copper*	N	0.105	ppm	1.3	AL=1.3	Corrosion of household plumbing system; erosion of natural deposits
Lead*	N	2.1	ppb	0	AL=15	Corrosion of household plumbing system; erosion of natural deposits

*Copper and lead samples were collected from area10 residences on 7/19/18. Only the 90th percentile is reported. None of the samples exceeded the AL.

Table of Test Results - Regulated Contaminants – City of New Cumberland WV3301515

Contaminant	Violation Y/N	Level Detected	Unit of Measure	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants						
Barium	N	0.064	ppm	2	2	Discharge from drilling waste; erosion of natural deposits
Copper*	N	0.0859	ppm	1.3	AL=1.3	Corrosion of household plumbing
Fluoride	N	0.13	Ppm	4	4	Erosion of natural deposits; water additive that promotes strong teeth
Lead*	N	1.7	ppb	15	AL=15	Corrosion of household plumbing
Mercury	N	0.2	ppb	2	2	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland
Nitrate	N	1.91	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrite	N	0.23	ppm	1	1	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Radioactive Contaminants						
Gross alpha	N	2.56	pCi/l	0	15	Erosion of natural deposits
Radium 228	N	-0.157	pCi/l	0	5	Erosion of natural deposits
Volatile Inorganic Contaminants						
Chlorine	N	1.0 Annual avg. Range 0.2-1.6	ppm	4 MRDLG	4 MRDL	Water additive used to control microbes
Haloacetic acids (HAA5)	N	4.35 Annual avg. Range 1.27-11.3	ppb	N/A	60	By-product of drinking water disinfection
Total trihalomethanes (TTHMs)	N	6.77 Annual avg. Range 3.29-9.5	ppb	N/A	80	By-product of drinking water disinfection

*Copper and lead samples were collected from area10 residences on 08/07/2018. Only the 90th percentile is reported. None of the samples exceeded the AL.

Table of Test Results - Unregulated Contaminants – City of New Cumberland - WV3301515

Contaminant	Violation Y/N	Level Detected	Unit of Measure	MCLG	MCL	Likely Source of Contamination
Sodium*	N	38.5	ppm	NE	20	Erosion of natural deposits
Sulfate	N	90.8	ppm	250	250	Erosion of natural deposits

*Sodium is an unregulated contaminant. Our sodium level exceeds the guidance MCL. Anyone having a concern over sodium should contact their primary health care provider.

Table of Test Results - Regulated Contaminants - Newell Company - WV 3301516

Contaminant	Violation Y/N	Level Detected	Unit of Measure	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants						
Copper*	N	0.202	ppm	1.3	AL=1.3	Corrosion of household plumbing; erosion of natural deposits
Lead*	N	0.5	ppb	0	AL=15	Corrosion of household plumbing; erosion of natural deposits
Nitrate	N	2.28	ppm	10	10	Runoff from fertilizer use; erosion of natural deposits
Radioactive Contaminants						
Gross alpha	N	1.23	pCi/L	0	15	Erosion of natural deposits
Radium 228	N	0.788	pCi/L	0	5	Erosion of natural deposits
Volatile Organic Contaminants						
Chlorine	N	0.58 Annual avg. 0.25-01.35 Range	ppm	4 MRDLG	4 MRDL	Water additive used to control microbes
Haloacetic acids (HAACs)	N	2.47	ppb	0	60	By-product of drinking water disinfection
Total trihalomethanes (TTHMs)	N	13.2	ppb	0	80	By-product of drinking water disinfection
Xylenes	N	<0.05	ppm	10	10	Discharge from petroleum factories; discharge from chemical factories

*Copper and lead samples were collected from area10 residences on 08/29/2017. Only the 90th percentile is reported. None of the samples exceeded the AL.

Table of Test Results - Unregulated Contaminants

Contaminant	Violation Y/N	Level Detected	Unit of Measure	MCLG	MCL	Likely Source of Contamination
Sodium*	N	28.6	ppm	NE	20	Erosion of natural deposits
Sulfate	N	76.2	ppm	250	250	Erosion of natural deposits

*Sodium is an unregulated contaminant. Our sodium level exceeds the guidance MCL. Anyone having a concern over sodium should contact their primary health care provider.

Additional Information

For the reporting year 2019 Tomlinson Public Service District Tomlinson System WV3301519 and Grant System WV

3301507 received "Notice of Violation" letter from the WV Bureau for Public Health for failing to monitor at the required location for total trihalomethanes. Since the sampling was completed within the proper monitoring timeframe and the corrected results with the required locations was submitted, The WV Bureau for Public Health issued a partial rescind, no public notice was necessary.

All other water test results for the reporting year 2019 were all non-detects.

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 **Tomlinson PSD** 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>.

This report will not be mailed. A copy will be provided to you upon request at our office during regular business hours or you can visit <http://www.tomlinsonpsd.com/ccr/>