

**2024 ANNUAL DRINKING WATER QUALITY REPORT**  
**Freeburg Municipal Authority 4550013**

*Este informe contiene información importante acerca de su agua potable. Haga que alguien lo traduzca para usted, ó hable con alguien que lo entienda.* (This report contains important information about your drinking water. Have someone translate it for you, or speak with someone who understands it.)

**WATER SYSTEM INFORMATION:**

This report shows our water quality and what it means. If you have any questions about this report concerning your water utility, please contact Todd Mace at 570-274-1755. Our water sources include two wells located just North of the Borough. We want you to be informed about your water supply. If you want to learn more, please attend any of our regularly scheduled meetings held the second or third Thursdays each month starting at 7:00 P.M., in the Freeburg Community Building.

Source Water Assessment of our source(s) was completed by the PA Department of Environmental Protection (Pa. DEP). The Assessment has found that our source(s) are potentially most susceptible to road deicing materials, accidental spills along roads, leaks in underground storage tanks, agricultural use, future land development and water pollution control facilities. Overall, our source(s) have little risk of significant contamination. Reports of the Assessment is available on the Source Water Assessment Summary Reports eLibrary web page: [www.elibrary.dep.state.pa.us/dsweb/View/Collection-10045](http://www.elibrary.dep.state.pa.us/dsweb/View/Collection-10045). Complete reports were distributed to municipalities, water suppliers, local planning agencies and PADEP offices. Complete reports are available for review at the Pa. DEP Regional Office, Records Management Unit at 570-327-3636.

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).

**Monitoring Your Water:**

We routinely monitor contaminants in your drinking water according to federal and state laws. The following tables show the results of our monitoring for the period of January 1 to December 31, 2024. The State allows us to monitor some contaminants less than once per year because the concentration of these contaminants does not change frequently. Some of our data is from prior years in accordance with the Safe Drinking Water Act. The date has been noted on the sampling results table.

**DEFINITIONS:**

*Action Level (AL)* – The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

*Maximum Contaminant Level (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.

*Maximum Contaminant Level Goal (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.

*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 contaminants.

*Minimum Residual Disinfectant Level (MinRDL)* – The minimum level of residual disinfectant required at the entry point to the distribution system.

*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.

*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.

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

*Mrem/year* = millirems per year (a measure of radiation absorbed by the body)

*pCi/L* = picocuries per liter (a measure of radioactivity)

*ppb* = parts per billion, or micrograms per liter ( $\mu\text{g/L}$ )

*ppm* = parts per million, or milligrams per liter ( $\text{mg/L}$ )

*ppq* = parts per quadrillion, or picograms per liter

*ppt* = parts per trillion, or nanograms per liter ( $\text{ng/L}$ )

**DETECTED SAMPLE RESULTS:**

<b>Chemical Contaminants</b>								
Contaminant	MCL in CCR Units	MCLG	Level Detected	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Barium	2	2	0.167	0 – 0.167	ppm	12-13-22	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Nitrate	10	10	9.8	0 – 9.8	ppm	12-3-24	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Sulfate	NA	NA	21.1	NA	ppm	7-23-20	N	Occurs naturally in water in various amounts. Sulfates are found in minerals, soil, rocks, plants & food.
Haloacetic Acids	60	60	3.8	0 – 3.8	ppb	12-18-24	N	By-product of drinking water chlorination
Trihalomethanes	80	80	8.43	6.32 – 8.43	ppb	12-18-24	N	By-product of drinking water chlorination
Chlorine	4	4	1.67	1.11 – 1.67	ppm	Nov 2024	N	Water additive used to control microbes.

\*EPA's MCL for fluoride is four ppm. However, Pennsylvania has set a lower MCL to better protect human health.

<b>Entry Point Disinfectant Residual</b>							
Contaminant	Minimum Disinfectant Residual	Lowest Level Detected	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Chlorine	0.20	0.01	0.01 – 3.2	ppm	9-16-24	Y	Water additive used to control microbes.

<b>Lead and Copper</b>								
Contaminant	Action Level (AL)	MCLG	90 <sup>th</sup> Percentile Value	Range of tap sampling results	Units	# of Sites Above AL of Total Sites	Violation Y/N	Sources of Contamination
Lead	15	0	2.59	0.5 – 56.0	ppb	1	N	Corrosion of household plumbing.
Copper	1.3	1.3	0.113	0.0149 – 0.131	ppm	0	N	Corrosion of household plumbing.

<b>Turbidity</b>						
Contaminant	MCL	MCLG	Level Detected	Sample Date	Violation Y/N	Source of Contamination
Turbidity	TT=1 NTU for a single measurement	0	0	N/A	N	Soil runoff
	TT= at least 95% of monthly samples<0.3 NTU		0	N/A	N	

**VIOLATIONS:**

On 9-16-23 we had a low chlorine residual below the required 0.20 ppm due to equipment failure. Since the trace amount of chlorine was lower than the monitoring equipment could accurately measure and we didn't issue a boil water advisory it was a violation. The required public notification was sent to all customers. DEP was contacted and the violation was resolved.

## **EDUCATIONAL INFORMATION:**

The sources of drinking water (both tap water and bottled water) include 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 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 stormwater run-off, 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 agriculture, urban stormwater 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 stormwater runoff, and septic systems.
- 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 and DEP prescribe regulations which limit the amount of certain contaminants in water provided by public water systems. FDA and DEP regulations establish limits for 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 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).

### **Information about Lead**

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 Freeburg Municipal Authority is responsible for providing high quality drinking water and is removing lead pipes but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standards Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water and wish to have your water tested, contact the Freeburg Municipal Authority. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <http://www.epa.gov/safewater/lead>.

The Freeburg Municipal Authority prepared a service line inventory that includes the type of materials contained in each service line in our distribution system. This inventory can be accessed by contacting our office at 570-374-7314.

# PUBLIC NOTICE

## IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER FAILURE TO MONITOR

ESTE INFORME CONTIENE INFORMACIÓN IMPORTANTE ACERCA DE SU AGUA POTABLE. HAGA QUE ALGUIEN LO TRADUZCA PARA USTED, O HABLE CON ALGUIEN QUE LO ENTIENDA.

### Monitoring Requirements Not Met for Freeburg Municipal Authority

Our water system violated drinking water standards over the past year. Even though these were not emergencies, as our customers, you have a right to know what happened and what we did to correct these situations.

*We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. On January 19, 2024, and October 15, 2024, we failed to monitor the following contaminants 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 contaminant(s) we did not properly test for during the last year, the required sampling frequency, how many samples we took, when samples should have been taken, and the date on which corrective action samples were (or will be) taken.

Contaminant	Required sampling frequency	Number of samples taken	When all samples should have been taken	When samples were or will be taken
Nitrate	Continuously	0	January 19, 2024	January 20, 2024
Turbidity	Every 15 minutes	0	January 19, 2024	January 20, 2024
Chlorine	Continuously	0	January 19, 2024	January 20, 2024
Trihalomethanes	Yearly	0	October 15, 2024	October 8, 2024
Haloacetic Acids	Yearly	0	October 15, 2024	October 8, 2024

#### What happened? What was done? When will it be resolved?

The computer memory stick failed, and it would not log the data above. The computer was repaired, and it logged normally. DEP was notified and the violation was resolved.

The Trihalomethanes and Haloacetic Acid samples are to be taken on October 15 each year +/- 3 days. The operators took the samples too early. DEP was notified and our monitoring calendar was reviewed with the operator so this doesn't happen again.

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.

For more information regarding this notice, please contact Todd Mace at 570-374-7314.