

2025 Annual Drinking Water Quality Report

Rixford Waterworks Association PWSID #: 6420022

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 or concerning your water utility, please contact Jim Minard at 814-596-0111. We want you to be informed about your water supply. If you want to learn more, please attend any of our regularly scheduled meetings on the 2nd Tuesday each month at 7:00 PM in the Rixford Methodist Church.

SOURCE OF WATER: Our water source is a bedrock well located on the south side of Looker Mountain Trail in the central portion of the village of Rixford.

A Source Water Assessment of our source was completed by the PA Department of Environmental Protection (Pa. DEP). The Assessment has found that our source is potentially most susceptible to Barium, Selenium, TTHM, Lead and Copper. Overall, our source has little risk of significant contamination. A summary report of the Assessment is available on the Source Water Assessment Summary Reports eLibrary web page: <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. Copies of the complete report are available for review at the Pa. DEP Meadville Regional Office, at 814-332-6945.

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 for 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, 2025. The State allows us to monitor some contaminants less than once per year because the concentrations of these contaminants do 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)

ppt = parts per trillion, or nanograms per liter

ppq = parts per quadrillion, or picograms per liter

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

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

ppm = parts per million, or milligrams per liter (mg/L)

DETECTED SAMPLE RESULTS:

Chemical Contaminants								
Contaminant	MCL	MCLG	Highest Level Detected	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Chlorine (Distribution)	MRDL = 4	MRDLG = 4	0.74 (November)	0.56-0.74	ppm	2025	N	Water additive used to control microbes
Barium	2	2	0.447	0.423-0.447	ppm	8/7/24	N	Discharge of drilling wastes; discharge from refineries; erosion of natural deposits
Fluoride	2*	2*	0.14	0.13-0.14	ppm	8/7/24	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Haloacetic Acids (HAA5)	60	N/A	0.00	N/A	ppb	9/8/25	N	By-product of drinking water disinfection
Trihalomethanes (TTHM)	80	N/A	15.70	N/A	ppb	9/8/25	N	By-product of drinking water chlorination
Perfluorooctanesulfonic Acid (PFOS)	18	14	4.10	0-4.10	ppt	2025	N	Discharge from manufacturing facilities and runoff from land use activities
Gross Alpha Particle Activity	15	N/A	3.50	N/A	pCi/l	3/6/25	N	Erosion of natural deposits
Radium-228	5	N/A	1.37	N/A	pCi/l	3/6/25	N	Erosion of natural deposits

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

Entry Point Disinfectant Residual 2025							
Contaminant	Minimum Disinfectant Residual	Lowest Level Detected	Range of Detections	Units	Lowest Sample Date	Violation Y/N	Sources of Contamination
Free Chlorine	0.40	0.42	0.42 – 1.44	ppm	5/27/25	N	Water additive used to control microbes.

Lead and Copper 2025								
Contaminant	Action Level (AL)	MCLG	90 th Percentile Value	Range of Tap Sampling Results	Units	# of Sites Above AL of Total Sites	Violation Y/N	Sources of Contamination
Lead	15	0	6.74	0.61-8.83	ppb	0 out of 5	N	Corrosion of household plumbing systems; Erosion of natural deposits
Copper	1.3	1.3	0.449	0.028-0.632	ppm	0 out of 5	N	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives

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 Rixford Waterworks Association is responsible for providing high quality drinking water and 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 Rixford Waterworks Association at 814-596-0111. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at www.epa.gov/safewater/lead.

The Rixford Waterworks Association prepared a service line inventory that includes the type of material contained in each service line in our distribution system. This inventory can be accessed by contacting The Rixford Waterworks Association at 814-596-0111.

Violations: In 2025 we failed to post our 2024 Consumer Confidence Report by 7/1/25 and failed to submit our 2024 Consumer Confidence Report Certification Form to the Department by 10/1/25. In 2025, we reported our results for Distribution and Entry Point Chlorine in November late to the Department. We also reported our Perfluorooctanesulfonic Acid and Perfluorooctanoic Acid results in June late to the Department. During the week of 12/21, we failed to monitor for Distribution Chlorine. A Public Notification further describing the violation for failure to monitor Distribution Chlorine is attached at the end of this report.

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, may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, 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, 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 prescribes 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).

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER FAILURE TO MONITOR

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ALGUIEN LO TRADUZCA PARA USTED, O HABLE CON ALGUIEN QUE LO ENTIENDA.

Monitoring Requirements Not Met for Rixford Waterworks Association

Our water system violated a drinking water standard over the past year. Even though this was not an emergency, 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. In 2025, during the week of 12/21, we failed to monitor for Distribution Chlorine 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 we did not properly test for during the last year, how often we are supposed to sample for Distribution Chlorine and how many samples we are supposed to take, how many samples we took, when samples should have been taken, and the date on which follow-up samples were taken.

Contaminant	Required sampling frequency	Number of samples taken	When all samples should have been taken	When samples were taken
Distribution Chlorine	1 sample Weekly	0	Week of 12/21	N/A

What happened? What was done?

In 2025, during the week of 12/21, we failed to monitor for Distribution Chlorine.

For more information, please contact the Rixford Waterworks Association at 814-596-0111

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 from Rixford Waterworks Association

PWS ID#: 6420022

Date distributed: