

# BRADFORD CITY WATER AUTHORITY

PWSID #6420014

This report contains very important information about your drinking water. Translate it, or speak to someone who understands it.

*Este informe contiene informacion muy importante sobre su agua de beber. Traduzcalo o hable con alguien que lo entienda bien.*



## 2025 DRINKING WATER QUALITY REPORT

Bradford, Pennsylvania

### INTRODUCTION

We're pleased to present you this year's annual drinking water quality report. Our primary water source is the Heffner surface water reservoir, with secondary water sources of the Marilla and Luther surface water reservoirs. All water supplied to our system originates from the protected lands of the Bradford Watershed. A Source Water Assessment has found that our sources are potentially most susceptible to transportation corridors, storm water runoff, and oil & gas wells. Overall, our sources have very little risk of any significant contamination. Summary reports are available by writing to the BCWA office, 28 Kennedy St., Bradford, PA 16701, or on the PA DEP website at [www.dep.state.pa.us](http://www.dep.state.pa.us) (Keyword: "source water"). Copies available at the PA DEP Meadville Office, Record Management Unit, 814-332-6945.

### MONITORING AND REPORTING

BCWA routinely monitors for contaminants in your drinking water according to federal and state laws. The results table shows the outcome of our monitoring for January 1st to December 31st, 2025. The State allows monitoring for some contaminants less than once per year because concentrations do not change frequently. Some data is from prior years in accordance with the Safe Water Drinking Act.

During 2025, PA DEP issued notices of violation for failure to monitor or report for Chlorine, HAA5s, TTHMs, and Turbidity, failure to meet Groundwater Rule significant deficiency corrective action schedule, and Tier 3 public notification requirements for HAA5s and TTHMs. All violations have been resolved and compliance was achieved. No water quality deficiencies occurred.

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, organ transplant recipients, people with HIV/AIDS or other immune disorders, some elderly, and infants can be particularly at risk. These people should seek advice from their health care providers. EPA/CDC guidelines are available from the **Safe Drinking Water Hotline (800-426-4791)**.



# WATER MONITORING RESULTS

## CHEMICAL CONTAMINANTS

Contaminant (UOM)	MCL	MCLG	Average	Range	Date	Violation	Major Sources in Drinking Water
Chlorine (ppm)	MRDL=4	MRDLG=4	0.80	0.45–0.80	2025	N	Water additive used to control microbes.
Haloacetic Acids Five (HAA5) (ppb)	60	n/a	15.3	9.2–21.1	2025	N	By-product of drinking water disinfection.
TTHMs (Total Trihalomethanes) (ppb)	80	n/a	48.4	25.1–75.8	2025	N	By-product of drinking water chlorination.
Barium (ppm)	2	2	0.0167	0.0167	2025	N	Discharge from drilling wastes; metal refineries; erosion of natural deposits.
Nitrate (ppm)	10	10	0.23	0.23	2025	N	Runoff from fertilizer use; leaching from septic tanks/sewage; erosion of natural deposits.
Selenium (ppb)	50	50	0.15	0.15	2025	N	Discharge from petroleum/metal refineries; erosion of natural deposits; discharge from mines.

## ENTRY POINT DISINFECTANT RESIDUAL

Contaminant (UOM)	MinRDL	Lowest	Range	Date	Violation	Major Sources in Drinking Water
Chlorine (ppm)	0.20	0.836	0.836–1.27	2025	N	Water additive used to control microbes.

## LEAD & COPPER RULE

Contaminant (UOM)	Action Level (AL)	MCLG	90th Percentile	# Sites Above AL	Date	Violation	Major Sources in Drinking Water
Lead (ppb)	15	0	1.29	0 of 30	2025	N	Corrosion of household plumbing; erosion of natural deposits.
Copper (ppm)	1.3	1.3	0.022	0 of 30	2025	N	Corrosion of household plumbing; erosion of natural deposits; leaching from wood preservatives.

## MICROBIAL

Contaminant	MCL	MCLG	Highest # of Positive Samples	Violation	Major Sources in Drinking Water
Total Coliform Bacteria	More than one positive sample	0	0	N	Naturally present in the environment.

## TOTAL ORGANIC CARBON (TOC)

Contaminant	% Removal Required	Range of % Removal Achieved	Qtrs out of Compliance	Violation	Major Sources in Drinking Water
TOC	35%	47%	0	N	Naturally present in the environment.

## TURBIDITY

Contaminant (UOM)	MCL	MCLG	Level Detected	Date	Violation	Major Sources in Drinking Water
Turbidity (NTU)	TT = 1 NTU for a single measurement	0	0.41 NTU	2025	N	
	TT = at least 95% of monthly samples <=0.3 NTU	0	100%	2025	N	Soil runoff.

## DEFINITIONS

In the previous table you will find many terms and abbreviations you might not be familiar with:

**Parts per million (ppm)** — one part per million (one minute in 2 years, or a penny in \$10,000).

**Parts per billion (ppb)** — one part per billion (one minute in 2,000 years, or a penny in \$10,000,000).

**Picocuries per liter (pCi/l)** — a measure of radioactivity in water.

**Nephelometric Turbidity Unit (NTU)** — a measure of water clarity. Turbidity above 5 NTU is noticeable to the average person.

**Action Level (AL)** — the concentration which, if exceeded, triggers treatment or other requirements.

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

**Maximum Contaminant Level (MCL)** — the highest level of a contaminant allowed in drinking water.

**Maximum Contaminant Level Goal (MCLG)** — the level below which there is no known or expected risk to health.

**Maximum Residual Disinfectant Level (MRDL)** — the highest level of a disinfectant allowed in drinking water.

**Maximum Residual Disinfectant Level Goal (MRDLG)** — the level of a drinking water disinfectant below which there is no known or expected risk to health.

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

**Information about Lead** — Lead is typically introduced through service lines and household plumbing. BCWA proactively eliminated all known lead service lines in 2022–2023 via an \$8.5 million PennVEST grant. More info: <http://www.epa.gov/safewater/lead>

## PAST, PRESENT & FUTURE



The original water commission was established in 1882. The year 2025 marked the 72nd anniversary of the Articles of Incorporation of BCWA. Over the past 30 years, more than \$75 million has been invested in improvements. BCWA proudly serves the City of Bradford, the Townships of Bradford, Foster, and Lafayette, as well as the Borough of Lewis Run.

In 2025, BCWA initiated a system-wide replacement of all 5,800 water meters, upgrading to an Advanced Metering Infrastructure (AMI) system — a fixed network allowing two-way wireless communication between meters and the Authority. This project will be completed in 2026.

The \$3.48 million project is funded through a low-interest PennVEST loan.

## OTHER VIOLATIONS / ADDITIONAL INFORMATION

**2025 Monitoring & Reporting Violations (all resolved):** PA DEP issued the following violations for reporting issues during 2025, all corrected with compliance achieved:

• Failure to monitor/report D/DBP Contaminant (Chlorine) — Distribution, 05/19/2025 • Failure to meet Groundwater Rule significant deficiency corrective action schedule — 11/03/2025 • Failure to issue Tier 3 public notification for HAA5s and TTHMs — 08/18/2025 • Failure to monitor/report CFE or disinfection residual results (Chlorine) — Distribution, 05/19/2025 • Failure to monitor/report CFE turbidity results — Plant, 04/23/2025 *Note: None of the above violations involved or affected water quality.*

## CONCLUSION

We are proud of the efforts made to meet or exceed all Federal and State drinking water quality requirements. Drinking water may reasonably be expected to contain at least small amounts of some contaminants — their presence does not necessarily indicate a health risk. More information: EPA Safe Drinking Water Hotline, 1-800-426-4791.

We at the Bradford City Water Authority work around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

Questions about this report? Contact Steve Disney at the BCWA office, 814-362-3004. Regularly scheduled meetings are held on the fourth Wednesday of the month at 12:00 pm in the conference room of the Bradford City Water Authority office, 28 Kennedy Street, Bradford, PA 16701.