



An Essential Utilities Company

2025 Water Quality Report*

Main System, PWSID#: PA1460073

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo ó hable con alguien que lo entienda bien.

About Your Drinking Water- Aqua Pennsylvania, Inc. is pleased to provide you with important information about your drinking water in this 2025 Water Quality Report for the Main System (public water supply ID PA1460073). The report summarizes the quality of water Aqua provided in 2025 including details about water sources, what the water at your tap contains, and how it compares to standards set by regulatory agencies. Although the report lists only those regulated substances that were detected in your water, we test for more than what is reported. This report is only a summary of our testing during 2025. If you have any questions about the information in this report, please call 877.987.2782 between the hours of 8:30 AM to 4:30 PM Monday to Friday or visit our website at [AquaWater.com](https://www.aquawater.com).

Sources of Supply – Your drinking water comes from eight surface water sources and several groundwater sites (wells). Source water assessments were completed for the Chester, Ridley, Crum, Pickering, Perkiomen, and Neshaminy Creeks, the Schuylkill River, and groundwater wells in the Main System. The sources, overall, have a moderate risk of significant contamination. A summary report of the Assessment is available on the Source Water Assessment Summary Report's eLibrary web page: [Source Water Assessment Folder](#). Complete reports were distributed to municipalities, water suppliers, local planning agencies, and DEP offices. Copies of the complete reports are available for review at the DEP Southeast Regional Office, Records Management Unit, 484.250.5900.

Sources of drinking water (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 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 runoff, 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, stormwater runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organics, which are byproducts 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. Radon is not regulated in drinking water. It is a radioactive gas that you cannot see, taste, or smell. Most radon enters homes directly from underground - not from the water supply. Radon can dissolve in water and can be released into air from tap water, but this is generally a small source of radon in indoor air.

To ensure that tap water is safe to drink, the Environmental Protection Agency prescribes regulations that limit the amounts of certain contaminants in water provided by public water systems. U.S. Food & Drug Administration 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 U.S. Environmental Protection Agency's (EPA) Safe Drinking Water Hotline at 800.426.4791.

Our water systems are designed and operated to deliver water to our customers' plumbing systems that complies with state and federal drinking water standards. This water is disinfected using chloramines, but it is not necessarily sterile. Customers' plumbing, including treatment devices, might remove, introduce, or increase contaminants in tap water. All customers and, in particular, operators of facilities like hotels and institutions serving susceptible populations (like hospitals and nursing homes), should properly operate and maintain the plumbing systems in these facilities. You can obtain additional information from the EPA's Safe Drinking Water Hotline at 800.426.4791.

The following table lists contaminants that were detected during 2025 in your water system. The table provides the average for the sources used to supply the Main System, as well as minimum and maximum observed levels of regulated contaminants.

Aqua Pennsylvania, Inc., Main Division, PWSID # PA1460073

Contaminants	Average Detection	Range of Detections	MCL	MCLG	Sample Date	Violation Y/N	Major Sources in Drinking Water
Turbidity, % meeting	100%	99.9% - 100%	TT	NA	2025	N	Soil runoff
Values above are % meeting plant performance level. Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system. The Treatment Technique (TT) requirement is 95% of samples must be less than or equal to 0.3 NTU.							
Inorganic Contaminants							
Arsenic, ppb	1.9	1.4 – 2.6	10	0	2025	N	Erosion of natural deposits
Barium, ppm	0.09	0.04 – 0.16	2	2	2025	N	
Chromium, ppb	1.08	0.94 – 1.3	100	100	2025	N	
Fluoride, ppm	0.37	0.37	2	2	2025	N	Erosion of natural deposits; water additive to promote strong teeth
Nitrate, ppm	3.1	2 – 4.8 ^(a)	10	10	2025	N	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Radiological Contaminants							
Combined Radium, pCi/L	0.46	ND – 1.37	5	0	2024	N	Erosion of natural deposits
Gross beta particles, pCi/L	20.1	20.1	50 ^(b)	0	2023	N	
Combined Uranium, ppb	2.4	2.4	30	0	2023	N	
Volatile Organic Contaminants							
Tetrachloroethylene, ppb	1.8	0.8 – 3.3	5	0	2025	N	Discharge from factories and dry cleaners
Trichloroethylene, ppb	1.4	1.4	5	0	2025	N	Discharge from metal degreasing sites and other factories
Per- and Polyfluoroalkyl Substances (PFAS)							
Contaminants	Max Detect	Range of Detections	MCL	MCLG	Sample Date	Violation (Y/N)	Major Sources in Drinking Water
PFOA (ppt)	13	ND-13	14	8	2025	N	Manmade chemical used in products to make them stain, grease, heat, and water resistant.
PFOS (ppt)	7.9	ND-7.9	18	14	2025	N	Used for its emulsifier and surfactant properties in or as fluoropolymer (such as Teflon), Fire-Fighting foams, cleaners, cosmetics, greases and lubricants, paints, polishes, adhesives, and photographic films.

(a) Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask for advice from your health care provider.

(b) EPA considers 50 pCi/L to be the level of concern for beta particles.

Aqua Pennsylvania, Inc., Main Division, PWSID # PA1460073 (cont'd)

Disinfection Byproducts - For haloacetic acids and total trihalomethanes, compliance is based on a locational running annual average (LRAA) of quarterly test results, not a single sample result. Values below reflect monitoring in the distribution system.

Contaminants	Average Detection	Range of Detections	MCL	MCLG	Sample Date	Violation Y/N	Major Sources in Drinking Water
Chlorite, ppm	0.11	ND – 0.33	1	0.8	2025	N	Water additive to control microbes
Haloacetic acids, ppb	20	ND - 45	60	NA	2025	N	Byproduct of drinking water disinfection
Total Trihalomethanes, ppb	29	0.9 - 70	80	NA	2025	N	

Disinfectant Residual - Values below reflect results from routine monthly distribution sampling at multiple sites. Disinfection is accomplished using chloramination and residual disinfectant is measured as total chlorine.

Contaminants	Highest Monthly Average	Lowest Average Result	MRDL	MRDLG	Sample Date	Violation Y/N	Major Sources in Drinking Water
Total Chlorine, ppm	1.25	0.99	4.0	4.0	2025	N	Water additive used to control microbes

Entry Point Disinfectant Residual

Contaminants	Entry Point #	Minimum Residual Level Required	Lowest Level Detected	Range of Detections	Sample Date	Violation Y/N	Major Sources in Drinking Water
Total Chlorine, ppm	112, 115, 116, 117, 136, 138	0.2	0.73	0.73 – 3.23	2025	N	Water additive used to control microbes
Free Chlorine, ppm	103, 107, 111, 123, 125, 132, 137	0.4	0.03 ^(c)	0.03 – 3.08	2025	N	
	114	0.45	1.04	1.04 – 2.54	2025	N	
	126	0.51	0.26 ^(c)	0.26 – 2.77	2025	N	
	135	0.54	0.28 ^(c)	0.28 – 2.83	2025	N	
	105, 110	0.7	0.05 ^(c)	0.05 – 2.7	2025	N	
	106	0.8	0.05 ^(c)	0.05 – 2.64	2025	N	
Chlorine Dioxide, ppm	116, 117, 138	NA ^(d)	0	0 – 0.36	2025	N	
Chlorite, ppm	116	NA ^(e)	0	0 – 0.55	2025	N	
	117	NA ^(e)	0.12	0.12 – 0.54	2025	N	
	138	NA ^(e)	0.17	0.17 – 0.59	2025	N	

(c) Disinfectant levels did not drop below the required minimum residual level for more than 4 hours.

(d) Chlorine Dioxide is used to supplement disinfection.

(e) Chlorite does not have a minimum disinfectant residual; however, the maximum limit is 1.0 mg/L.

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Total Organic Carbon (TOC) during 2025 - For Total Organic Carbon removal, compliance is based on a running annual average of monthly results, not a single result.							
Contaminant	Plant ID	Range of % Removal Required	Range of % Removal Achieved	Number of Quarters Out of Compliance	Sample Date	Violation ^(f) Y/N	Sources of Contamination
TOC	313	25 - 45	30.8 – 64.7	0	2025	N	Naturally present in the environment
	314	25 - 45	-4.5 - 60	0	2025	N	
	315	25 - 45	-33.3 – 61.1	0	2025	N	
	335	25 - 45	33.3 – 65.9	0	2025	N	
	339	25 - 35	47.6 - 100	0	2025	N	

(f) Compliance is determined by a running annual average, computed quarterly.

Tap water samples were collected from homes in the service area for lead and copper testing.

Lead and Copper	Action Level	MCLG	90th Percentile	Range of Sampling Results	Samples Exceeding Action Level	Sample Date	Violation Y/N	Major Sources in Drinking Water
Copper, ppm	1.3	1.3	0.34	ND – 0.9	0 out of 60	2025	N	Corrosion of household plumbing
Lead, ppb	15	0	ND	ND – 5.1	0 out of 60	2025	N	

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. Aqua 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 Aqua at 877-987-2782. 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>.

A service line inventory has been prepared for this system and shows the composition of your service line. The inventory may be viewed at www.aquawater.com/leadmap.

Voluntary PFAS (Forever Chemicals) Entry Point Sampling from 2025		
Name	Chemical Name	Range of Detections (ppt)
GenX	Hexafluoropropylene oxide dimer acid	ND
PFBS	Perfluorobutane sulfonic acid and Perfluorobutane sulfonate	ND-8.7
PFHxS	Perfluorohexanesulfonic acid	ND-7.8
PFNA	Perfluorononanoic acid	ND-8.4

For additional information, please refer to our website: AquaWater.com/pfas

ND = Not Detected

Violations:

In January 2025, we received violations for reporting triennial and annual inorganic contaminant results to DEP after the required deadline. In September 2025, we received violations for incorrectly reporting entry point Giardia Inactivation results to PA DEP. We submitted corrections to DEP and the violations have been resolved. In October 2025, we received a violation for incorrectly reporting chlorite samples to PA DEP. We submitted corrections to DEP and the violations have been resolved. There are no health effects associated with these violations.

Notes:

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

Fluoride: Fluoride might help prevent tooth decay for children but can be harmful in excess. Customers in the Main System receive water mostly from unfluoridated supplies, but some areas receive fluoridated water. Operational testing in the distribution system indicates that some customers in the Main System receive water with fluoride up to 0.7 ppm. For more information about fluoride in your tap water, call Aqua at 877.987.2782 or visit our website at AquaWater.com. This information might be helpful to you, your pediatrician, or your dentist in determining whether fluoride supplements or treatment are appropriate.

Level 1 Assessment: A Level 1 assessment is a study of the waterworks to identify potential problems and determine, if possible, why total coliform bacteria have been found in our waterworks.

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.

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. Some levels are based on a running annual average.

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.

NA: Not applicable.

ND: Not detected.

Nitrate: Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask advice from your health care provider.

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 (µg/L)

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

ppq: parts per quadrillion, or picograms per liter

ppt: parts per trillion, or nanograms per liter (ng/L)

PWSID: Public water supply identification number.

*This notice contains required or recommended regulatory language, and nothing herein is, is intended as, nor should be construed as, a promise of or contract for payment or reimbursement of expenses incurred for any action you take on account of this notice.