

# 2022 Annual Water Quality Report

## GLEN ROCK WATER AUTHORITY

11714 North Main Street Ext., P.O. Box 205  
 Glen Rock, Pennsylvania 17327 -0205



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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 from EPA’s Safe Drinking Water Hotline at (800) 426-4791 or website at [www.epa.gov/safewater](http://www.epa.gov/safewater).

The York Water Company maintains a water filtration plant in Spring Garden Township, York County. The treated water entering the Glen Rock Water Authority’s distribution system is disinfected with chloramines. Disinfection is necessary to inactivate microorganisms which are naturally present in the environment.

The Authority has two storage tanks as part of its water distribution system, a 300,000-gallon storage tank and a 600,000-gallon storage tank.



**Water Quality Importance**

*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.)

This report shows our water quality and what it means. If you have questions about this report or concerning your water utility, please contact Dale Getz at 717-235-2082. We want you to be informed about your water supply. If you want to learn more, please attend any of our regularly scheduled meetings.

**Glen Rock Sources of Water**

The water system, owned and operated by the Glen Rock Water Authority, is permitted under the Pennsylvania Safe Drinking Water Act and is identified as PWS ID No. 7670050. The water originates from the York Water Company through an interconnection on Church Street in Shrewsbury Township, York County. The York Water Company’s water source is the combined flow of the South and East Branches of Codorus Creek.



Codorus Creek is classified as a surface water source. As water travels over the surface of the land, it dissolves naturally occurring minerals and radioactive material and can pick up substances resulting from the presence of animals or from human activity.

**For More Information About Your Water:**

***Glen Rock Water Authority Board Meetings***

Second Wednesday of Every Month @ 7:00 PM

***Meeting Location:  
 Glen Rock Wastewater Treatment Plant***

11714 N. Main St Ext.  
 Glen Rock

***Contact Person:  
 Dale E. Getz  
 717-235-2082***

**Consumer Confidence Report Rule**

In 1996, Congress amended the Safe Drinking Water Act, adding a provision that requires all community water systems to deliver to their customers a brief annual water quality report. Final regulations were promulgated by EPA in 1998, known as the Consumer Confidence Report Rule, which establishes the requirements for these annual water quality reports. The deadline for distribution of the annual report is July 1st of every year, for the preceding calendar year.

### Water Conservation

Water Conservation plays a key role in providing safe, healthy drinking water to the public. Water, especially clean freshwater, is a limited resource. The Glen Rock Water Authority encourages its customers to use water efficiently to conserve supplies for future generations.

- Be aware of personal water use.
- Consider use of water-saving plumbing fixtures and appliances.
- Repair leaks inside the home.
- Adopt water saving habits.

For more information on ways to conserve water, please visit the following Pennsylvania Department of Environmental Protection (DEP) website:

<http://www.dep.pa.gov/Citizens/My-Water/WaterConservation>

### Treatment of Drinking Water

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants.

### Safety of Drinking Water

Some people may be more vulnerable to drinking water contaminants than the general population. Immuno-compromised persons, such as people 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/Centers for Disease Control guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the EPA's Safe Drinking Water Hotline at (800) 426-4791 or EPA's website at [www.epa.gov/safewater](http://www.epa.gov/safewater).

### Common Contaminants in Water

Contaminants that may be present in the 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, mining or 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 byproducts of industrial processes, and which may also come from gas stations, urban storm water runoff and septic systems.**



☛ **Radioactive contaminants, which can be naturally-occurring or be the result of mining activities.**

In order to ensure that tap water is safe to drink, EPA establishes regulations which limit the amount of certain contaminants in water provided by public water systems. A source water assessment plan (SWAP) was prepared for the water sources of the York Water Co. The assessment evaluates contaminants that may enter the water drawn from the intakes on the South Branch Codorus Creek. Potential sources of contamination identified include transportation corridors, agricultural crop and livestock operations, urban/storm water runoff and wastewater treatment plant discharges. There are several watershed restoration activities underway in the assessment area.



TABLE OF CONTAMINANTS				
Contaminants	MCL	MCLG	Test Value <sup>1</sup>	Major Sources in Drinking Water
<b>INORGANIC CONTAMINANTS</b>				
Atrazine [YWC]	3 ppb	3 ppb	0.60 ppb (2022)	Runoff from herbicide used on row crops.
Barium [YWC]	2 ppm	2 ppm	0.019 ppm	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Nitrate [YWC]	10 ppm	10ppm	Average: 3.40 ppm	Runoff from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
			Range: 2.50 – 4.50 ppm	
<b>MICROBIOLOGICAL CONTAMINANTS</b>				
Turbidity <sup>2</sup> [YWC]	Minimum 95% of monthly samples taken <0.3 NTU	NA	100% samples < 0.1 NTU	Soil erosion and runoff
	Maximum: 1.0 NTU		Maximum: 0.048 NTU	
Total Coliform Bacteria [YWC]	Presence of Coliform Bacteria in less than 5% of Monthly samples	0	0	Naturally present in the Environment
Fecal Coliform and E. Coli [YWC]	A routine sample and repeat sample are total coliform positive, and one is also fecal coliform or E.coli positive	0	0	Human and animal fecal waste
<b>SURFACE WATER TREATMENT RULE</b>				
Chloramines [YWC]	MRDL = 4.0 ppm	MRDLG = 4.0 ppm	Range: 0.73 – 2.87 ppm	Water additive used to control microbes
<p><sup>1</sup> Pennsylvania DEP allows public water systems to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data presented on this table, though representative, may be more than one year old. In these cases, the calendar year in which water samples were tested for these contaminants is shown in parentheses.</p> <p><sup>2</sup> Turbidity is a measure of the cloudiness of the water. Turbidity is monitored because it is a good indicator of the effectiveness of the filtration system.</p> <p><sup>3</sup> EPA considers 50 pCi/L to be the level of concern for beta particles.</p> <p>The Pennsylvania Department of Environmental Protection (DEP) has developed a source water assessment and protection (SWAP) plan for York Water Company's surface water intake on the South Branch Codorus Creek. The purpose of SWAP plans is to determine potential sources of pollution that may impact public water supplies and to identify the appropriate measures to protect such water supplies. The most significant potential source of contamination to the intake on the South Branch Codorus Creek is from transportation spills, followed by agricultural and urban storm water runoff. There are numerous restoration initiatives underway in the assessment area involving citizen groups as well as the York County Conservation District. The final SWAP report is available from DEP upon request, and a report summary is available through DEP's website by visiting:</p> <p><a href="http://www.dep.state.pa.us/dep/deputate/watermgt/wc/Subjects/SrceProt/SourceAssessment/default.htm">http://www.dep.state.pa.us/dep/deputate/watermgt/wc/Subjects/SrceProt/SourceAssessment/default.htm</a></p>				

TABLE OF CONTAMINANTS				
Contaminants	MCL	MCLG	Test Value <sup>1</sup>	Major Sources in Drinking Water
<b>DISINFECTION BYPRODUCTS (DBPs) AND DISINFECTANT RESIDUALS</b>				
Chlorine [GRWA]	MRDL = 4.0 ppm	MRDLG = 4.0 ppm	Average: 1.27 ppm Range: 0.25 – 2.20 ppm	Water additive used to control microbes
HAA5 <sup>3</sup> [GRWA]	60 ppb	NA	Average: 7.65 ppb	Byproduct of drinking water disinfection
HAA5 [YWC]	60 ppb	0 ppb	Maximum RAA <sup>2</sup> : 26.0 ppb Range: 13.5 – 38.1 ppb (2022)	Byproduct of disinfectant addition
TTHM <sup>4</sup> [GRWA]	80 ppb	NA	Average: 41.5 ppb	Byproduct of drinking water disinfection
TTHM [YWC]	80 ppb	0 ppb	Maximum RAA: 33.0 ppb Range: 15.0 – 56.1 ppb	Byproduct of disinfectant addition
<b>LEAD AND COPPER RULE</b>				
Copper [YWC]	Action Level = 90% of all homes tested must be below 1.3 ppm	1.3 ppm	90% of all homes tested measured below 0.047 ppm 50 of the 50 homes tested measured below 0.095 ppm	Corrosion of household plumbing systems. Erosion of natural deposits
Copper [GRWA]		1.3 ppm	100% of all homes tested measured below 0.255 ppm Average: 0.049 ppm (2022)	Corrosion of household plumbing systems. Erosion of natural deposits
Lead <sup>5</sup> [YWC]	Action Level = 90% of all homes tested must be below 15 ppb	0 ppb	90% of all homes tested measured below 2.0 ppb 1 of 50 homes tested measured greater than 15 ppb	Corrosion of household plumbing systems. Erosion of natural deposits
Lead <sup>5</sup> [GRWA]		0 ppb	100% of all homes tested measured below 4 ppb Average: 0.333 ppb (2022)	Corrosion of household plumbing systems. Erosion of natural deposits
<p><sup>1</sup> Pennsylvania DEP allows public water systems to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data presented on this table, though representative, may be more than one year old. In these cases, the calendar year in which water samples were tested for these contaminants is shown in parentheses.</p> <p><sup>2</sup> RAA represents Running Annual Average.</p> <p><sup>3</sup> HAA5 represents Total Haloacetic Acids.</p> <p><sup>4</sup> TTHM represents Total Trihalomethanes.</p> <p><sup>5</sup> Infants and young children are typically more vulnerable to Lead in drinking water than the general population. It is possible that Lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. If you are concerned about elevated Lead levels in your home's water, you may wish to have your water tested. In addition, flush your tap for 30 seconds to 2 minutes before using the tap water. Additional information is available from the Safe Drinking Water Hotline at (800) 426-4791 or at EPA's website at <a href="http://www.epa.gov/safewater">www.epa.gov/safewater</a>. Lead testing is completed every 3 years and results shown are an average. GRWA began adding orthophosphate in an effort to lower lead levels following the 2007 testing.</p>				