

2022**ANNUAL DRINKING WATER QUALITY REPORT****PWSID #: 7360017****NAME: Denver Borough**

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 Michael Hession, Borough Manager/Secretary at 717-336-2831, Ext. 5. We want you to be informed about your water supply. If you want to learn more, please attend any of our regularly scheduled meetings. They are held On the second and last Monday of every month at 7:00 p.m. at the Denver Borough Municipal Building, 501 Main Street, Denver, PA 17517.

SOURCE(S) OF WATER:

Our water source(s) is/are: (Name-Type-Location)

Cocalico Creek – Surface – Main Street, Denver, PA

Well #1 – Ground – Smokestown Road; Well #2 – Ground, Smokestown Road;

Well #3 – Ground – Smokestown Road; Well #4 – Ground – Tamarack Drive.

A *Source Water Assessment* of our source(s) was completed by the PA Department of Environmental Protection (Pa. DEP) in November, 2012. The Assessment has found that our source(s) are potentially most susceptible to wastewater discharge, USEPA Superfunds, Land Application, Land Recycling/Brownfields, and Underground Storage Tanks. Overall, our surface water source has a high risk of contamination from grazing and crop related agriculture and NPDES locations; a moderate risk from animal feedlots, road deicing, transportation corridors, landfills, pipelines; and little risk auto repair and household chemicals. The groundwater sources have a high risk of contamination from underground storage tanks; moderate risk from NPDES locations, transportation corridors, landfills, pipelines, and auto repair/service stations; and little risk from animal feedlots and road deicing. A summary report of the Assessment is available on the *Source Water Assessment & Protection* web page at <http://www.dep.state.pa.us/dep/deputate/watermgt/wc/Subjects/SrceProt/SourceAssessment/default.htm>.

Complete reports were distributed to municipalities, water supplier, local planning agencies and PADEP offices. Copies of the complete report are available for review at the PA DEP Southcentral Regional Office, Records Management Unit.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised 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, 2022. The State allows us to monitor for 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.

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 (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

DETECTED SAMPLE RESULTS:

Chemical Contaminants								
Contaminant	MCL in CCR Units	MCLG	Level Detected	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Chlorine	4	4	2.04	0.07 to 2.04	ppm	2022	N	Water additive used to control microbes
Nitrate	10	10	3.89	1.94 to 3.89	ppm	2022	N	Runoff from fertilizer use
HAA5	60	60	6.94	2.9 to 6.94	ppb	2022	N	By-product of drinking water disinfection
TTHM	80	80	14.8	6.2 to 14.8	ppb	2022	N	By-product of drinking water disinfection

Arsenic	10	0	1	0 to 1	ppb	2022	N	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Barium	2	2	0.137	0.0 to 0.137	ppm	2022	N	Discharge of drilling waste; Discharge from metal refineries; Erosion of natural deposits

*EPA's MCL for fluoride is 4 ppm. However, Pennsylvania has set a lower MCL to better protect human health.

Entry Point Disinfectant Residual – Entry Point 100

Contaminant	Minimum Disinfectant Residual	Lowest Level Detected	Range of Detections	Units	Sample Date	Violation Y/N	Sources of Contamination
Chlorine	0.4	0.7	0.7 to 2.1	ppm	2022	N	Water additive used to control microbes.

Entry Point Disinfectant Residual – Entry point 101

Chlorine	0.4	1.3	1.3 to 2.7	ppm	2022	N	Water additive used to control microbes.
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Lead and Copper

Contaminant	Action Level (AL)	MCLG	90 th Percentile Value	Units	# of Sites Above AL of Total Sites	Violation Y/N	Sources of Contamination
Lead	15	0	1 2022	ppb	0 out of 21	N	Corrosion of household plumbing.
Copper	1.3	1.3	0.654 2022	ppm	0 out of 21	N	Corrosion of household plumbing.
Total Organic Carbon(TOC)	Range of %Removal Required	Range of Percent removal achieved	Number of quarters out of compliance			Violation Y/N	Sources of Contamination
TOC	25 – 35 %	10 - 48 %		2	2022	N	Naturally present in the environment

Microbial					
Contaminant	MCL	MCLG	Highest # or % of Positive Samples	Violation Y/N	Sources of Contamination
Total Coliform Bacteria	For systems that collect <40 samples/month: • More than 1 positive monthly sample For systems that collect ≥ 40 samples/month: • 5% of monthly samples are positive	0	0	N	Naturally present in the environment.
Fecal Coliform Bacteria or <i>E. coli</i>	0	0	0	N	Human and animal fecal waste

Turbidity						
Contaminant	MCL	MCLG	Level Detected	Sample Date	Violation Y/N	Source of Contamination
Turbidity	TT=1 NTU for a single measurement	0	0.08	2022	N	Soil runoff.
	TT= at least 95% of monthly samples ≤ 0.3 NTU		100%		N/A	

HEALTH EFFECTS:

No contaminant levels were exceeded in 2022 to raise any health concerns.

OTHER VIOLATIONS:

The Borough had two (2) violations during the 2022 year. The first was FAILURE TO MONITOR OR REPORT CFE TURBIDITY RESULTS and the second was FAILURE TO MONITOR OR REPORT IFE TURBIDITY RESULTS. Upon submitting the late reports, we achieved compliance. There were no health concerns to the public from these violations.

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 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).

Information about Lead

If present, elevated levels of 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. Denver Borough

is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

OTHER INFORMATION:

All violations are located on the CCR System web page.

<http://www.drinkingwater.state.pa.us/ccr/index.html>). At the bottom of the introductory page, click on "Continue to CCR" link. 1) Select System (s) based on: (a) PWSID (#7360017). 2) Click on the "Submit" button. 3) Use the drop down box to select the violation report. 4) Click on the "Submit" button. 5) If a violation is present it will appear in a table.

DENVER BOROUGH
501 Main Street
Denver, PA 17517

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