

WATER QUALITY REPORT 2023

System ID # GA1950003

City of Danielsville

March 2024

Special Information

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. City of Danielsville 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>.

IMMUNOCOMPROMISED LANGUAGE

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 (1-800-426-4791)

DRINKING AND BOTTLED WATER LANGUAGE

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 EPA's Safe Drinking Water Hotline (1-800-426-4791)

SOURCES OF DRINKING WATER AND PRESENCE OF CONTAMINANTS LANGUAGE

The City of Danielsville in Madison County has both ground water serviced by 4 wells and purchased surface water purchased from Madison County water system. 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 the following:

- 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, 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 prescribes regulations which limit the number of certain contaminants in water provided by public water systems. Food and Drug Administration regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Special points of interest:

- Multiple tests are performed annually to confirm our water quality.
- Call City Hall at (706) 795-2189 to report problems, ask questions or for information on the water system.
- All test results noted in the report are from data collected during 2023

City of Danielsville Water System

Water Quality Report 2023

Coliform Bacteria

Maximum Contaminant Level Goal	Total Coliform Maximum Contaminant Level	Highest No. of Positive	Fecal Coliform or E. Coli Maximum Contaminant Level	Total No. of Positive E. Coli or Fecal Coliform Samples	Violation	Likely Source of Contamination
0	1 positive monthly sample.	1		0	N	Naturally present in the environment.

Regulated Contaminants Table:

Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Total Trihalomethanes (TTHM)	2023	10	9.6-9.6	No goal for the total	80	ppb	N	By-product of drinking water disinfection.
Haloacetic Acids (HAA5)	2023	6	6-6	No goal for the total	60	Ppb	N	By-product of drinking water disinfection.
Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Fluoride	2023	29.7	0.39-90	4	4.0	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Nitrate [measured as Nitrogen]	2023	2	0 - 1.7	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.

Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Combined Radium 226/228	2023	1	1.26 - 1.59	0	5	pCi/L	N	Erosion of natural deposits.
Gross alpha excluding radon and uranium	2023	6	6.3 - 22.1	0	15	pCi/L	N	Erosion of natural deposits.
Uranium	2023	13	14.22354 - 23.542	0	30	ug/l	N	Erosion of natural deposits.

Lead and Copper Table

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	2022	1.3	1.3	0.37	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2022	0	15	2.2	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

Contaminants that may be present in Source water before we treat it could include:

Microbial contaminants (such as viruses and bacteria) may come from septic systems, agricultural livestock operations, and wildlife.

Inorganic contaminants (such as salts and metals) may be naturally occurring or result from urban runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.

Terms and Abbreviations Found in this Report:

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

Environmental Protection Agency (EPA) - The United States Environmental Protection Agency (Federal Level).

Environmental Protection Division (EPD) - The Georgia Department of Natural Resources Environmental Protection Division (State Level).

Maximum Contaminant Level (MCL)- the highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLG's 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. MCLG's allow for a margin of safety.;

Treatment Technique (TT) – a required process intended to reduce the level of a contaminant in drinking water.;

Not Applicable (N/A) - does not apply at this time;

Not Detectable (ND) - if a contaminate is present it is at levels below what current technology is able to detect.;

Present/Absence (P/A)- The Presence or Absence of these bacteria in the water
ppb– parts per billion molecules;
ppm– parts per million molecules. Also, may be expressed milligrams per liter;
mg/L– milligrams of substance per a liter of liquid.

Pesticides and Herbicides 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 petroleum production, and can also, come from gas stations, urban storm water runoff, and septic systems.

Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

Violations Table

Fluoride			
Some people who drink water containing fluoride in excess of the MCL over many years could get bone disease, including pain and tenderness of the bones. Fluoride in drinking water at half the MCL or more may cause mottling of childrens teeth, usually in children less than nine years old. Mottling, also known as dental fluorosis, may include brown staining and/or pitting of teeth, and occurs only in developing teeth			
Violation Type	Violation Begin	Violation End	Violation Explanation
MCL, AVERAGE	01/01/2023	03/31/2023	Water samples showed that the amount of this contaminant in our drinking water was above its standard (called a maximum contaminant level and abbreviated MCL) for the period indicated.
MCL, AVERAGE	04/01/2023	06/30/2023	Water samples showed that the amount of this contaminant in our drinking water was above its standard (called a maximum contaminant level and abbreviated MCL) for the period indicated.
MCL, AVERAGE	07/01/2023	09/30/2023	Water samples showed that the amount of this contaminant in our drinking water was above its standard (called a maximum contaminant level and abbreviated MCL) for the period indicated.
MCL, AVERAGE	10/01/2023	12/31/2023	Water samples showed that the amount of this contaminant in our drinking water was above its standard (called a maximum contaminant level and abbreviated MCL) for the period indicated.

Public Notification Rule			
The Public Notification Rule helps to ensure that consumers will always know if there is a problem with their drinking water. These notices immediately alert consumers if there is a serious problem with their drinking water (e.g., a boil water emergency).			
Violation Type	Violation Begin	Violation End	Violation Explanation
PUBLIC NOTICE RULE LINKED TO VIOLATION	05/21/2023	2023	We failed to adequately notify you, our drinking water consumers, about a violation of the drinking water regulations.