

2024 CONSUMER CONFIDENCE REPORT

CITY OF GALENA PUBLIC WATER SUPPLY

**January 1, 2024, to
December 31, 2024**

Presented

by

City of Galena

and



(Contract Operator of the Galena Public Water Supply)

Annual Drinking Water Quality Report

GALENA
IL0850200

For the Period of
January 1 to December
31, 2024

This report is intended to provide you with important information about your drinking water and the efforts made by the Galena Water System to provide safe drinking water. The source of drinking water used by Galena is groundwater. For more information regarding this report, contact:



Phone:
815-777-9315

City of Galena, Illinois
Phone:
815-777-1050

Este informe contiene información muy importante sobre el agua que usted bebe. Tradúzcalo ó hable con alguien que lo entienda bien.

Source of Drinking Water
The sources of drinking water (both tap water and bottled

water) include rivers, lakes, streams, ponds, reservoirs, springs, and groundwater 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 human activity.

Drinking water, including bottled water, may reasonably be expected to contain at least some small amounts of 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 at 800-426-4791.

Contaminants that may be present in source water include:

Microbial contaminants, such as viruses and bacteria, may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

Inorganic contaminants, such as salts and metals, can naturally occur or result from urban stormwater 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 storm water 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 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.

To ensure that tap water is safe to drink, the EPA prescribes regulations that limit the number of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immune-compromised people, such as people with cancer undergoing chemotherapy, people 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 healthcare 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).

PFAS Detections

In 2023, our PWS was sampled as part of the State of Illinois PFAS Statewide Investigation. Results from this sampling indicated PFAS was detected in our drinking water below the health advisory level established by the Illinois EPA. Follow-up monitoring is being conducted. For more information about PFAS health advisories, please visit the following link <https://epa.illinois.gov/topics/water-quality/pfas/pfas-healthadvisory.html>

A Source Water Assessment summary is included below for your convenience.

We want our valued customers to be informed about their water quality. The source water assessment for our supply has been completed by the Illinois EPA. If you would like a copy of this information, please call our water operator at 815-777-9315. To view a summary version of the completed Source Water Assessments, including the Importance of Source Water, Susceptibility to Contamination Determination, and documentation/recommendation of Source Water Protection Efforts, you may access the Illinois EPA website at <http://www.epa.state.il.us/cgi-bin/wp/swap-fact-sheets.pl>.

Based on information obtained in a Well Site Survey published in 1989 by the Illinois EPA, several potential secondary sources are located within 1,000 feet of the wells. The Illinois EPA has determined that the Galena Community Water Supply's source water has a low susceptibility to contamination. This determination is based on several criteria, including monitoring conducted at the wells, monitoring conducted at the entry point to the distribution system, and available hydrogeologic data on the wells.

Lead Statement

"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. The City of Galena Public Water Supply is responsible for providing high-quality drinking water, but it 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>."

Water Quality Test Results

Definitions: The following tables contain scientific terms and measures, some of which may require explanation:

- Treatment Technique: a required process intended to reduce the level of contaminants in drinking water.
- Maximum Contaminant Level (MCL): The highest level of contaminants that is allowed in drinking water. MCLs are set as close to the Maximum Contaminant Level Goal as feasible using the best available treatment technology.
- Maximum Contaminant Level Goal (MCLG): The level of contaminants 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 disinfectant allowed in drinking water.
- Maximum Residual Disinfectant Level (MRDLG): The level of disinfectant in drinking water below which there is no known or expected risk to health. MRDLGs allow for a margin of safety.
- ppb, ppm: micrograms per liter or parts per million = one ounce in 7,350,000 gallons of water
- pCi/L stands for picocuries per liter, which is a unit of measurement for radon gas concentration. It indicates the amount of radon, a radioactive gas, in one liter of air.

2024 Regulated Contaminants Detected

Lead and Copper

Date Sampled: 2024

Definitions:

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

Action Level Goal (ALG): The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.

Lead MCLG	Lead Action	Lead 90th Percentile	# Sites Over Lead	Copper MCLG	Copper Action Level	Copper 90th Percentile	# Sites Over	Likely Source of Contamination
-----------	-------------	----------------------	-------------------	-------------	---------------------	------------------------	--------------	--------------------------------

	Level (AL)		AL		(AL)		Copper AL	
0	15 ppb	4.11 ppb	0	1.3 ppb	1300 ppb	195 ppb	0	Corrosion of household plumbing systems; Erosion of natural deposits

Copper Range: 0 to 233 ppb Lead Range: 0 to 5.58 ppb out of 20 sites. Our Community Water Supply has developed a service line material inventory. To obtain a copy of the system's service line inventory, contact Andrew Schuler at (815)777-9315.

Regulated Contaminants

Disinfectants & Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contaminant
Total Haloacetic Acids (HAA5)	2024	0.86	0.86 - 0.86	NA	60	ppb	No	By-product of drinking water chlorination
TTHMs [Total Trihalomethanes]	2024	2.2	2.2 - 2.2	NA	80	ppb	No	By-product of drinking water chlorination
Chlorine	01/01 - 12/31 2024	1.1	0.7 - 1.1	MRDLG=4	MRDL=4	ppm	No	Water additives used to control microbes
Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contaminant
Arsenic	2024	.215	0.134 - 0.215	0	10	ppb	no	Erosion from naturally occurring deposits; Runoff from glass and electronics production wastes.
Barium	2024	0.133	0.114 - 0.133	2	2	ppm	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Chromium	2024	3.68	2.88 - 3.68	100	100	Ppb	No	Discharge from steel and pulp mills; Erosion of natural deposits.
Fluoride	2024	.77	0.36-0.77	4	4	ppm	No	Erosion of natural deposits; Water additive which promotes strong teeth; Fertilizer discharge
Iron	2024	0.357	0.0725 - 0.357		1.0	ppm	No	This contamination is not currently regulated by USEPA. However, the state regulates. Erosion of natural deposits
Manganese	2024	14.3	3.71 - 14.3	150	150	ppb	No	This contamination is not currently regulated by USEPA. However, the state regulates. Erosion of natural deposits
Selenium	2024	0.401	0.199 - 0.401	50	50	Ppb	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines.
Sodium	2024	3320	2440 - 3322			ppm	No	Erosion of naturally occurring deposits. Used in water softener regeneration.
Zink	2024	0.00345	0 - 0.00345	5	5	ppm	No	This contamination is not currently regulated by USEPA. However, the state regulates. Naturally occurring; discharge from metal.
Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contaminant
Combined Radium 226/228	2024	4.34	2.94 - 4.34	0	5	pCi/L	No	Erosion of natural deposits
Gross Alpha Particle Activity Radon and Uranium	2024	3.6	0.996 - 3.6	0	15	pCi/L	No	Erosion of natural deposits

Note: The state requires monitoring of certain contaminants less than once per year because the concentration of these contaminants does not

change frequently. Therefore, some of this data may be more than one year old.



US Water Services Corporation has two certified operators on staff at the Galena Water Utility. Andrew Schuler and Joe Murphy have Class C licenses.

SUMMARY

Copies of this report are available at City Hall, 101 Green Street, Galena, IL 61036. There is no charge for this service. We are pleased to conclude this annual report by reiterating that Galena's drinking water is safe and meets all federal and state requirements. We will continue to keep you informed about the quality of your water and the services provided. Our goal is and always has been to provide you with a safe and dependable supply of drinking water.

If you have any questions regarding the content of this report or about your water utility, please call Andrew Schuler (USW Water Project Manager) at 815-777-9315. To be informed of policy decisions affecting the operation of the water utility, please monitor the Galena City Council agenda. Agendas are posted at the Galena City Hall at least 48 hours before each City Council meeting or are available at www.cityofgalena.org. Meetings are conducted on the second and fourth Monday of each month at 6:30 p.m. at Galena City Hall.