

Consumer Confidence Report

Annual Drinking Water Quality Report

CARBON HILL

IL0630100

Annual Water Quality Report for the period of January 1 to December 31, 2022

This report is intended to provide you with important information about your drinking water and the efforts made by the water system to provide safe drinking water.

The source of drinking water used by CARBON HILL is Purchased Ground Water

For more information regarding this report contact:

Name Tyler Vallente

Phone 815-955-8341

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 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 storm water 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.

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 EPAs Safe Drinking Water Hotline at (800) 426-4791.

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

Some people may be more vulnerable to contaminants in drinking water than the general population.

Immuno-compromised 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).

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. We 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>.

Source Water Information

Source Water Name	Type of Water	Report Status	Location
CC 03-CONNECTION FROM COAL CITY FF IL0630200 TP04	GH	<u>A</u>	_____

Source Water Assessment

We want our valued customers to be informed about their water quality. If you would like to learn more, please feel welcome to attend any of our regularly scheduled meetings. The source water assessment for our supply has been completed by the Illinois EPA. If you would like a copy of this information, please stop by City Hall or call our water operator at 815-956-8341. To view a summary version of the completed Source Water Assessments, including: 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>.

Source of Water: COAL CITYBased on information obtained in a Well Site Survey, published in 1992 by the Illinois EPA, seventeen potential sources or possible problem sites were identified within the survey area of Coal City wells. Furthermore, information provided by the Leaking Underground Storage Tank Section of the Illinois EPA indicated several additional sites with ongoing remediations which may be of concern. The Illinois EPA has determined that the Coal City Community Water Supply's source water is not susceptible to contamination. This determination is based on a number of criteria including: monitoring conducted at the wells, monitoring conducted at the entry point to the distribution system, and the available hydrogeologic data on the wells.

2022 Regulated Contaminants Detected

Lead and Copper

Definitions:

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.

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

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	08/17/2021	1.3	1.3	0.285	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	08/17/2021	0	15	1.28	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

Water Quality Test Results

Definitions:

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

Avg:

Regulatory compliance with some MCLs are based on running annual average of monthly samples.

Level 1 Assessment:

A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

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.

Maximum Contaminant Level or 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 or 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 or 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 or 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.

na:

not applicable.

mrem:

millirems per year (a measure of radiation absorbed by the body)

ppb:

micrograms per liter or parts per billion - or one ounce in 7,350,000 gallons of water.

Water Quality Test Results

ppm: milligrams per liter or parts per million - or one ounce in 7,350 gallons of water.
Treatment Technique or TT: A required process intended to reduce the level of a contaminant in drinking water.

Regulated Contaminants

Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Chlorine	12/31/2022	0.7	0.58 - 0.76	MRDLG = 4	MRDL = 4	ppm	N	Water additive used to control microbes.
Haloacetic Acids (HAA5)	07/16/2020	0.316	0.316 - 0.316	No goal for the total	60	ppb	N	By-product of drinking water disinfection.

Violations Table

2,4,5-TP (Silvex)			
Some people who drink water containing silvex in excess of the MCL over many years could experience liver problems.			
Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

2,4-D			
Some people who drink water containing the weed killer 2,4-D well in excess of the MCL over many years could experience problems with their kidneys, liver, or adrenal glands.			
Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

Alachlor			
Some people who drink water containing alachlor in excess of the MCL over many years could have problems with their eyes, liver, kidneys, or spleen, or experience anemia, and may have an increased risk of getting cancer.			
Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

Aldrin			
Some people who drink water containing excessive aldrin over a long period of time may experience problems with their liver, nervous system, weakened immune system, fetal damage may occur in pregnant women, and may have an increased risk of getting cancer.			
Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

Atrazine			
Some people who drink water containing atrazine well in excess of the MCL over many years could experience problems with their cardiovascular system or reproductive difficulties.			
Violation Type	Violation Begin	Violation End	Violation Explanation

Violations Table

MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.
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Carbofuran

Some people who drink water containing carbofuran in excess of the MCL over many years could experience problems with their blood, or nervous or reproductive systems.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

Chlordane

Some people who drink water containing chlordane in excess of the MCL over many years could experience problems with their liver or nervous system, and may have an increased risk of getting cancer.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

Dalapon

Some people who drink water containing dalapon well in excess of the MCL over many years could experience minor kidney changes.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

Di (2-ethylhexyl) adipate

Some people who drink water containing di (2-ethylhexyl) adipate well in excess of the MCL over many years could experience general toxic effects or reproductive difficulties.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

Violations Table

Di (2-ethylhexyl) phthalate			
Some people who drink water containing di (2-ethylhexyl) phthalate in excess of the MCL over many years may have problems with their liver, or experience reproductive difficulties, and may have an increased risk of getting cancer.			
Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

Dibromochloropropane (DBCP)			
Some people who drink water containing DBCP in excess of the MCL over many years could experience reproductive difficulties and may have an increased risk of getting cancer.			
Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

Dieldrin			
Some people who drink water containing excessive Dieldrin over a long period of time may experience problems with their liver, nervous system, weakened immune system, fetal damage may occur in pregnant women, and may have an increased risk of getting cancer.			
Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

Dinoseb			
Some people who drink water containing dinoseb well in excess of the MCL over many years could experience reproductive difficulties.			
Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

Diquat			
Some people who drink water containing diquat in excess of the MCL over many years could get cataracts.			
Violation Type	Violation Begin	Violation End	Violation Explanation

Violations Table

MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.
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Endrin

Some people who drink water containing endrin in excess of the MCL over many years could experience liver problems.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

Ethylene dibromide

Some people who drink water containing ethylene dibromide in excess of the MCL over many years could experience problems with their liver, stomach, reproductive system, or kidneys, and may have an increased risk of getting cancer.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

Heptachlor

Some people who drink water containing heptachlor in excess of the MCL over many years could experience liver damage and may have an increased risk of getting cancer.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

Heptachlor epoxide

Some people who drink water containing heptachlor epoxide in excess of the MCL over many years could experience liver damage, and may have an increased risk of getting cancer.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

Violations Table

Hexachlorobenzene			
Some people who drink water containing hexachlorobenzene in excess of the MCL over many years could experience problems with their liver or kidneys, or adverse reproductive effects, and may have an increased risk of getting cancer.			
Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

Hexachlorocyclopentadiene			
Some people who drink water containing hexachlorocyclopentadiene well in excess of the MCL over many years could experience problems with their kidneys or stomach.			
Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

Lindane			
Some people who drink water containing lindane in excess of the MCL over many years could experience problems with their kidneys or liver.			
Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

Methoxychlor			
Some people who drink water containing methoxychlor in excess of the MCL over many years could experience reproductive difficulties.			
Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

Oxamyl [Vydate]			
Some people who drink water containing oxamyl in excess of the MCL over many years could experience slight nervous system effects.			
Violation Type	Violation Begin	Violation End	Violation Explanation

Violations Table

MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.
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PCBs [Polychlorinated biphenyls]

Some people who drink water containing PCBs in excess of the MCL over many years could experience changes in their skin, problems with their thymus gland, immune deficiencies, or reproductive or nervous system difficulties, and may have an increased risk of getting cancer.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

Pentachlorophenol

Some people who drink water containing pentachlorophenol in excess of the MCL over many years could experience problems with their liver or kidneys, and may have an increased risk of getting cancer.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

Picloram

Some people who drink water containing picloram in excess of the MCL over many years could experience problems with their liver.

Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and 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	10/14/2021	03/03/2022	We failed to adequately notify you, our drinking water consumers, about a violation of the drinking water regulations.
PUBLIC NOTICE RULE LINKED TO VIOLATION	01/18/2022	04/20/2022	We failed to adequately notify you, our drinking water consumers, about a violation of the drinking water regulations.

Violations Table

Simazine			
Some people who drink water containing simazine in excess of the MCL over many years could experience problems with their blood.			
Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

Toxaphene			
Some people who drink water containing toxaphene in excess of the MCL over many years could have problems with their kidneys, liver, or thyroid, and may have an increased risk of getting cancer.			
Violation Type	Violation Begin	Violation End	Violation Explanation
MONITORING, ROUTINE MINOR	01/01/2020	12/31/2022	We failed to complete all the required tests of our drinking water for the contaminant and period indicated.

Monitoring Violations Annual Notice

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Monitoring Requirements Not Met for Village of Coal City

Our water system violated several drinking water standards over the past year. Even though these were not emergencies, as our customers, you have a right to know what happened and what we did to correct these situations.

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. During 2022 our outside contracted lab did not report to IEPA in a timely manner results of our SOC's and therefore cannot be sure of the quality of our drinking water during that time. The results were all within the limits.

What should I do?

There is nothing you need to do at this time.

The table below lists the contaminant(s) we did not properly test for during the last year, how often we are supposed to sample for SOC's, how many samples we are supposed to take, how many samples we took, when samples should have been taken, and the date on which follow-up samples were (or will be) taken.

Contaminant	Required sampling frequency	Number of samples taken	When all samples should have been taken	When samples were or will be taken
Synthetic Organic Compounds	Every Three Years	2	Jan 2020-Dec 2022	July 29, 2021

What happened? What is being done?

We contacted our testing facility and they are using a different method of reporting.

For more information, please contact Tyler Valiente at 815-634-8608 or at 515 S. Broadway St. Coal City, IL 60416

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

This notice is being sent to you by Village of Coal City.

Water System ID#

IL0630200

Date distributed

6/1/23