

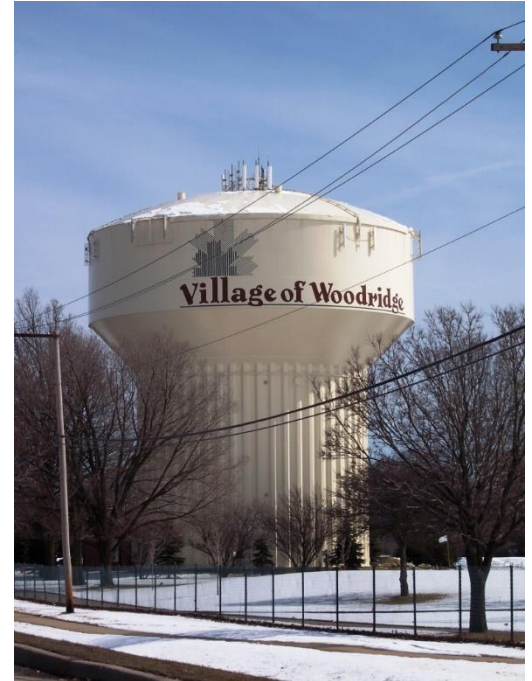


Consumer Confidence Report

Woodridge Water Quality Report For 2020

The Village of Woodridge has developed this annual drinking water quality report as part of our effort to provide Woodridge water customers with educational information regarding our drinking water. This report also serves to demonstrate that our Lake Michigan drinking water supply, purchased through the DuPage Water Commission from the City of Chicago, is safe by meeting or exceeding all water quality standards as listed in the Safe Drinking Water Act (SDWA). The United States Environmental Protection Agency (USEPA) and the Illinois Environmental Protection Agency (IEPA) continually monitor all drinking water utilities to maintain compliance with SDWA regulations.

The Village of Woodridge Department of Public Works wants all customers to be aware of what is being done to insure that the water you use is safe for you and your family. We are proud to report that the Village of Woodridge currently meets or exceeds all water quality standards set by both the United States and the Illinois Environmental Protection Agencies. These agencies developed a Safe Drinking Water Act (SDWA) that sets standards for water quality and monitors compliance. We can report that there has been no violation of contaminant level or any other water quality standard during the period beginning January 1, 2020 and ending December 31, 2020 of the Village of Woodridge's potable water system.



Please take some time to read this annual report. If you have any questions about this report or concerning your water supply, please contact Mike Kaczmarek, Water Operator, at 630-719-4753, or attend a Woodridge Village Board meeting on the first and third Thursdays of each month at 7:00pm in the Werch Board Room, 5 Plaza Drive, Woodridge IL 60517. This report is made available on the Village's Website at <https://www.woodridgeil.gov/waterqualityreport>. A hard copy of the report will be mailed to you upon request by contacting Public Works at (630) 719-4753.

Respectfully,

Christopher Bethel

Christopher Bethel
Director of Public Works

General Information About Woodridge Drinking Water



Source Water Location

The Village of Woodridge purchases its water from DuPage Water Commission. DuPage Water Commission purchases their water from the City of Chicago. The City of Chicago utilizes Lake Michigan as its source water via two treatment plants. The Jardine Water Purification Plant serves the northern areas of the City and suburbs, while the South Water Purification Plant serves the southern areas of the City and suburbs. Lake Michigan is the only Great Lake that is entirely contained within the United States. It

borders Illinois, Indiana, Michigan, and Wisconsin, and is the second largest Great Lake by volume with 1,180 cubic miles of water and third largest by area.

Source Water Assessment and Susceptibility to Contamination

The Illinois EPA (IEPA) completed the Source Water Assessment Program for our supply. The IEPA implemented a Source Water Assessment Program (SWAP) to assist with watershed protection of public drinking water supplies. The SWAP inventories potential sources of contamination and determines the susceptibility of the source water to contamination.

The IEPA considers all surface water sources of community water supply to be susceptible to potential pollution problems. The very nature of surface water allows contaminants to migrate into the intake with no protection only dilution. This is the reason for mandatory treatment for all surface water supplies in Illinois. Chicago's offshore intakes are located at a distance that shoreline impacts are not usually considered a factor on water quality. At certain times of the year, however, the potential for contamination exists due to wet-weather flows and river reversals. In addition, the placement of crib structures may serve to attract waterfowl, gulls, and terns that frequent the Great Lakes area, thereby concentrating fecal deposits at the intake and thus compromising the source water quality. Conversely, the shore intakes are highly susceptible to storm water runoff, marinas and shoreline point sources due to the influx of groundwater to the lake.

Throughout history there have been extraordinary steps taken to assure a safe source of drinking water in the Chicagoland area. This included the building of the offshore cribs and the introduction of interceptor sewers to the lock-and-dam system of Chicago's waterways and the city's Lakefront Zoning Ordinance. The city now looks to the Department of Water Management, Department of Environment and the MWRDGC (Metropolitan Water Reclamation District of Greater Chicago) to assure the safety of the city's water supply. In addition, water supply officials from Chicago are active members of the West Shore Water Producers Association. Coordination of water quality situations (i.e., spills, tanker leaks, exotic species, etc.) and general lake conditions are frequently discussed during the association's quarterly meetings. Also, Lake Michigan has a variety of organizations and associations that are currently working to either maintain or improve water quality.

Protection of the drinking water is everyone's responsibility. Citizens should be aware that everyday activities in an urban setting might have a negative impact on source water, and in particular, improving awareness of storm water drains and their direct link to creeks, rivers and the lake within the identified local source water area. You can help protect source water in several ways:

- Eliminate excess use of lawn and garden fertilizers and pesticides;
- Pick up after your pets;
- Dispose of waste and chemicals properly;
- Organize a storm drain stenciling project or remind neighbors that storm drains lead to rivers.

Further information on our community water supply's Source Water Assessment Program is available by calling the City of Chicago Department of Water Management (CDWM) at 312-744-6635 or by calling the Groundwater Section of the Illinois EPA at 217-785-4787.



Emergency Wells

The Village of Woodridge maintains emergency wells in the event of a catastrophic loss of our source water supply from Lake Michigan. The Village's emergency wells are tested monthly but are not pumped into the drinking water system. The Village wells were not utilized as a source of drinking water in 2020. Our well water test data is not included in this report's tables but is available upon request at (630)719-4753.

Educational Statements Regarding Commonly Found Drinking Water Contaminants

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 the water poses a health risk. More

information about contaminants and their potential health risks can be obtained by calling the U.S. EPA's Safe Drinking Water Hotline at 1-800-426-4791.

The sources of drinking water (both tap 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 can dissolve naturally occurring minerals and radioactive materials, and pick up substances resulting from the presence of animals or 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 may be naturally occurring 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 agricultural, 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 may also come from gas stations, urban stormwater runoff and septic systems; and
- Radioactive contaminants, which may be naturally occurring or be the result of oil and gas production and mining.

In order to ensure that tap water is safe to drink, USEPA prescribes regulations that 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. USEPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the U.S. EPA's Safe Drinking Water Hotline at 1-800-426-4791.

Lead in Drinking Water

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in the drinking water is primarily from materials and components associated with service lines and home plumbing. Woodridge 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 you water, you may wish to have your water tested. Information on lead in your drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline at (800) 426-4791 or at <http://www.epa.gov/safewater/lead>. Additional informational can also be found at www.drinktap.org or at the Village of Woodridge website at www.woodridgeil.gov (under the "Water" tab under "Public Works" department, or at https://www.woodridgeil.gov/my_government/public_works/water/index.php#).

City of Chicago Voluntary Monitoring

The City of Chicago has continued monitoring for Cryptosporidium, Giardia, and E. coli in its source water as part of its water quality program. To date, Cryptosporidium has not been detected in these samples, but Giardia was detected in 2010 in one raw lake water sample collected in September of 2010. Treatment processes have been optimized to provide effective barriers for the removal of Cryptosporidium oocysts and Giardia cysts in the source water. By maintaining low turbidity through the removal of particles from the water, the possibility of Cryptosporidium and Giardia organisms getting into the drinking water system is greatly reduced.

In 2020, CDWM also continued monitoring for hexavalent chromium, also known as Chromium-6. USEPA has not yet established a standard for chromium-6, a contaminant of concern which has both natural and industrial sources. Please address any questions or concerns to CDWM's Water Quality Division at 312-742-7499. Data reports on the monitoring program for chromium-6 are posted on the City of Chicago's website which can be accessed at: https://www.cityofchicago.org/city/en/depts/water/supp_info/water_quality_resultsandreports.html.

Taste and Odor Compounds

MIB and geosmin are monitored both in the source water and finished water. The treatment process is adjusted to reduce these compounds and provide a drinking water without detectable tastes and odors.

Additional Testing Methods

The Department of Water Management for Chicago has added testing methods to those already performed to assess water quality. The objective of the additional testing is to detect changes in water quality in a timely manner. Protocol for screening water samples for toxicity from chemicals and also for screening water samples for the presence of endospores has been developed. Acute toxicity screening detects the presence of toxic chemicals and although the test does not identify individual compounds, it can be used as an early warning tool. The graph produced will clearly indicate toxicity in the sample and further investigation would be needed. Results thus far have not shown any positive results. Anthrax organisms belong to the group of bacteria which can produce endospores. If samples are positive for the presence of endospores, further identification can be done to determine which bacteria are present. Samples are tested to develop a historical record of results and database of information. No harmful bacteria have been identified.

2020 Water Quality Data

The following tables represent the results of sampling for various contaminants by both the Village of Woodridge and the City of Chicago. Each table reflects the sample results covering the period of January 1, 2020 through December 31, 2020. The definitions, abbreviations, and units of measurement will precede the tables to help you understand how much contaminant was detected.

AL: Action Level, or the concentration of a contaminant that, when exceeded, triggers treatment or other requirements a water system must follow.

ALG: Action Level Goal, or the level of a contaminant in drinking water below which there is no known or expected risk to health. ALG's allow for a margin of safety.

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

CCR: Consumer Confidence Report (another name for the Water Quality Report)

Date of Sample: If a date appears in this column, the Illinois EPA requires monitoring for this contaminant less than once per year because the concentrations do not frequently change. If no date appears in the column, monitoring for this contaminant was conducted during the CCR calendar year.

Level Found: This column represents an average sample result data collected during the CCR calendar year. In some cases, it may represent a single sample if only one sample was collected.

MCL: Maximum Contaminant Level, or the highest level of contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

MCLG: Maximum Contaminant Level Goal, or the level of contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

MRDL: Maximum Residual Disinfectant Level, the highest level of disinfectant allowed in drinking water.

MRDLG: Maximum Residual Disinfectant Level Goal, the level of disinfectant in drinking water below which there is no known or expected risk to health. MRDLG's allow for a margin of safety.

n/a: not applicable

nd: not detectable at testing limits

Range of Detections: Represents a range of individual sample results, from lowest to highest that were collected during the CCR calendar year.

TT: Treatment Technique or a required process intended to reduce the level of a contaminant in drinking water.

Units of Measurement

- ppm:** - parts per million (also = to mg/l or milligrams per liter – or one ounce in 7,350 gallons of water)
- ppb:** - parts per billion (also = to ug/l or micrograms per liter – or one ounce in 7,350,000 gallons of water)
- NTU:** - Nephelometric Turbidity Unit, used to measure cloudiness of drinking water.
- %<0.5 NTU** - Percent samples less than 0.5 NTU.
- pCi/l:** - Pico curies per liter, used to measure radioactivity.

Detected Contaminants

Microbial Contaminants / Units	Collection Date	MCLG	MCL	Highest Level Detected	Range of Detections	Violation	Likely Source of Contaminant
Turbidity (NTU/lowest monthly % ≤ 0.3 NTU)		n/a	TT (95% ≤ 0.3NTU)	Lowest Monthly %: 100%	100% - 100.0%	N	Soil runoff. (Reported by Chicago)
Turbidity (NTU/highest single measurement))		n/a	TT (Limit 1 NTU)	0.16	n/a	N	Soil runoff. (Reported by Chicago)
TOTAL ORGANIC CARBON (TOC)	The percentage of Total Organic Carbon (TOC) removal was measured each month and the system met all TOC removal requirements set by IEPA.						

Inorganic Contaminants

Inorganic Contaminants / Units	Collection Date	MCLG	MCL	Highest Level Detected	Range of Detections	Violation	Likely Source of Contaminant
Barium (ppm)		2	2	0.0201	0.0198 – 0.0201	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits. (Reported by Chicago)
Nitrate (as Nitrogen) (ppm)		10	10	0.42	0.35 – 0.42	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits. (Reported by Chicago)
Total Nitrate & Nitrite (as Nitrogen) (ppm)		10	10	0.42	0.35 – 0.42	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits. (Reported by Chicago)

State Regulated Contaminants

Inorganic Contaminants / Units	Collection Date	MCLG	MCL	Highest Level Detected	Range of Detections	Violation	Likely Source of Contaminant
Fluoride (ppm)		4	4	0.75	0.65 – 0.75	N	Water additive which promotes strong teeth. (Reported by Chicago)

Unregulated Contaminants

Unregulated Contaminants / Units	Collection Date	MCLG	MCL	Highest Level Detected	Range of Detections	Violation	Likely Source of Contaminant
Sodium (ppm)		N/A	N/A	9.55	8.73 – 9.55	N	Erosion of naturally occurring deposits; Used in water softener regeneration. (Reported by Chicago)
Sulfate (ppm)		N/A	N/A	27.8	27.5 – 27.8	N	Erosion of naturally occurring deposits. (Reported by Chicago)

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 Contaminant
0	0 - positive monthly sample	0	Fecal Coliform or E. Coli MCL: A routine sample and a repeat sample are total coliform positive, and one is also fecal coliform or E. Coli positive.	0	No	Naturally present in the environment

Radioactive Contaminants

Radioactive Contaminants / Units	Date Collected	MCLG	MCL	Highest Level Detected	Range of Detections	Violation	Likely Source of Contaminant
Combined Radium 226/228 (pCi/L)	02-04-2020	0	5	0.95	0.83 - 0.95	N	Erosion of natural deposits. (Reported by Chicago)
Gross Alpha excluding Radon and Uranium (pCi/L)	02-04-2020	0	15	3.1	2.8 - 3.1	N	Erosion of natural deposits. (Reported by Chicago)

Lead and Copper

Lead & Copper	Date Collected	MCLG	Action Level (AL)	90 th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	2020	1.3	1.3	0.044	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2020	0	15	<1.0	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

Disinfectants and Disinfection By-Products

Regulated Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
TTHM (Total Trihalomethanes)	2020	50	19.1 - 67.1	No goal for the total	80	ppb	N	By-product of drinking water disinfection.
HAA5 (Haloacetic Acids)	2020	25	10.24 – 39.2	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Chlorine	2020	1.1	0.8- 1.1	MRDLG =4	MRDL =4	ppm	N	Water additive used to control microbes.

Note: The state requires monitoring of certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Therefore, some of this data may be more than one year old. Additionally, not all sample results may have been used for calculating the Highest Level Detected because some results may have been part of an evaluation to determine where compliance sampling should occur in the future.

Water Quality Data Table Footnotes

TURBIDITY - Turbidity is a measure of the cloudiness of the water. Turbidity is monitored because it is a good indicator of water quality and the effectiveness of the filtration system and disinfectants.

UNREGULATED CONTAMINANTS - A maximum contaminant level (MCL) for this contaminant has not been established by either state or federal regulations, nor has mandatory health effects language. The purpose for monitoring this contaminant is to assist USEPA in determining the occurrence of unregulated contaminants in drinking water, and whether future regulation is warranted.

FLUORIDE - Fluoride is added to the water supply to help promote strong teeth. The Illinois Department of Public Health had recommended an optimal fluoride level of 0.7 mg/L with a range of 0.6 mg/L to 0.8 mg/L.

SODIUM - There is not a state or federal MCL for sodium. Monitoring is required to provide information to consumers and health officials that are concerned about sodium intake due to dietary precautions. If you are on a sodium-restricted diet, you should consult a physician about this level of sodium in the water.

2020 Violation Summary Table

This table is intended to assist you in the identification of year 2020 violation(s) that are required to be reported and explained in the Woodridge Consumer Confidence Report – Annual Water Quality Report.

Village of Woodridge, IL

Violation Description	Start Date	End Date
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No Violations

Report Prepared: June 8, 2021