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Dear River Grove Resident,

Attached you will find the Village of River Grove's water report. The village must issue this report to be in compliance with the Safe Drinking Water Act. It is issued annually to provide our residents with information on the quality of the village's drinking water. It also details the source of our water, how it is treated and what it contains. The village's water is sourced from the City of Chicago.

Please know that we are committed to providing our residents the safest water. I am happy to report we have met all Federal and State regulations.

As always, if any one has any questions or concerns you can contact my office by calling 708-453-8000 or my email is [mayor@rivergroveil.gov](mailto:mayor@rivergroveil.gov)

All the best,

Mayor David B. Guerin

# 2024 Annual Consumer Confidence Report

## Village of River Grove

PWSID # 0312640

### Annual Water Quality Report for the period of January 1 to December 31, 2024

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

**Ten raport zawiera bardzo ważne informacje na temat wody, którą pijesz. Przetłumacz go lub porozmawiaj z kimś, kto dobrze go rozumie.**

#### **PURPOSE**

This is an annual report that summarizes the quality of drinking water from January 1<sup>st</sup> to December 31<sup>st</sup>, 2024. Included are details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. This report is being published in compliance with the Safe Drinking Water Act and our commitment to supplying a safe and reliable water supply. The Village of River Grove purchases surface water directly from the City of Chicago and is delivered to the Village's underground reservoir. The Village then pumps the water into its distribution system. We have included with this report information from the City of Chicago pertaining to entry-point water quality monitoring performed by them. For more information regarding this report contact the River Grove Water Department at (708) 452-7055.

#### **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 can dissolve naturally occurring minerals and radioactive material and pick up substances resulting from the presence of animals or from human activity. Possible contaminants consist of:

- Microbial contaminants, such as viruses and bacteria, may come from sewage treatment plants, septic systems, agricultural contaminants, such as livestock operations and wildlife.
- Inorganic contaminants, such as salts and metals, which 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 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 may 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 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 EPAs Safe Drinking Water Hotline at (800) 426-4791.

To ensure that tap water is safe to drink, EPA prescribes regulations that limit the amounts 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 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 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.

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 Village is responsible for providing high quality drinking water and removing lead pipes but cannot control the variety of materials used in plumbing components. You share the responsibility for protecting yourself and removing lead materials within your home plumbing and taking steps to reduce your family's risk. Before drinking tap water, flush your pipes for several minutes by running your tap, taking a shower, doing laundry or a load of dishes. You can also use a filter certified by an American National Standard Institute accredited certifier to reduce lead in drinking water. If you are concerned about lead in your water, you may wish to have your water tested, contact the River Grove Water Department at (708) 452-7055. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available at <http://www.epa.gov/safewater/lead>.

## **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. Village board meetings are on the first and third Monday of the month and are held at the Elmer E. Wolf Senior Citizen & Community Center Court Room located at 2607 N. Thatcher Avenue beginning at 6:00 pm or call the River Grove Water Department at (708) 452-7055.

The Illinois EPA has completed the Source Water Assessment Program for our supply. If you would like a copy of this information, please contact our Water Department at (708) 452-7055. 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>

Surface water is purchased from the City of Chicago. The Illinois EPA 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 where shoreline impacts are not usually considered a factor in 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 the 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

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

To obtain a copy of the system's lead tap sampling data contact the Water Department at (708) 452-7055

A service line material inventory is available by contacting the River Grove Water Department at (708) 452-7055 or found at <https://www.rivergroveil.gov/DocumentCenter/View/3038/IEPA-2025-Final-Material-Inventory-PDF>

Lead and Copper	Date Sampled	Range of Sample Results	MCLG	Action Level (AL)	90 <sup>th</sup> Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	08/29/2023	0.00 – 0.64	1.3	1.3	0.0364	0	ppm	N	Corrosion of household plumbing systems; Erosion of natural deposits.
Lead	08/29/2023	0.77 – 15.60	0	15	9.81	1	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.

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	2024	1	1 - 1	MRDLG = 4	MRDL = 4	ppm	N	Water additives that are used to control microbes.
Haloacetic Acids (HAA5)	2024	18	2.6 - 28	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2024	61	17.22 - 78	No goal for the total	80	ppb	N	By-product of drinking water disinfection.



# Special Notice for Availability of Unregulated Contaminant Monitoring Data

## IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

### Availability of Monitoring Data for Unregulated contaminants for River Grove

Our water system has sampled for a series of unregulated contaminants. Unregulated contaminants are those that don't yet have a drinking water standard set by EPA. The purpose of monitoring these contaminants is to help EPA decide whether the contaminants should have a standard. As our customers, you have a right to know that these data are available. If you are interested in examining the results, please contact River Grove Water Department at (708) 452-7055 or 2101 West Street, River Grove IL 60171.

This notice is being sent to you by River Grove. Public Water System ID#: IL0312640.

Date distributed: May 7, 2025



<https://www.rivergroveil.gov/DocumentCenter/View/3013/UCMR5-Compliance-Report-2025-PDF>

# 2024 Water Quality Data

DATA TABULATED BY CHICAGO DEPARTMENT OF WATER MANAGEMENT  
0316000 CHICAGO

**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 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.

**Highest Level Detected:** This column represents the highest single sample reading of a contaminant of all the samples collected in 2024.

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

**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 Consumer Confidence Report calendar year.

**Treatment Technique (TT):** A required process intended to reduce the level of a contaminant in drinking water.

**N/A:** Not applicable

## DETECTED CONTAMINANTS

Contaminant (unit of measurement) <i>Typical source of Contaminant</i>	MCLG	MCL	Highest Level Detected	Range of Detections	Violation	Date of Sample
<b>Turbidity Data</b>						
Turbidity (NTU/Lowest Monthly %≤0.3 NTU) <i>Soil runoff</i>	N/A	TT (Limit: 95%≤0.3 NTU)	Lowest Monthly %: 99.7%	99.7% - 100%		
Turbidity (NTU/Highest Single Measurement) <i>Soil runoff</i>	N/A	TT (Limit 1 NTU)	0.39	N/A		
<b>Inorganic Contaminants</b>						
Barium (ppm) <i>Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits</i>	2	2	0.0203	0.0198 – 0.0203		
Nitrate (as Nitrogen) (ppm) <i>Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits</i>	10	10	0.39	0.36 – 0.39		
Total Nitrate & Nitrite (as Nitrogen) (ppm) <i>Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits</i>	10	10	0.39	0.36 – 0.39		
<b>Total Organic Carbon (TOC)</b>						
TOC	The percentage of TOC removal was measured each month and the system met all TOC removal requirements set by IEPA.					
<b>Unregulated Contaminants</b>						
Sulfate (ppm) <i>Erosion of naturally occurring deposits</i>	N/A	N/A	28.2	25.3 – 28.2		
Sodium (ppm) <i>Erosion of naturally occurring deposits; Used as water softener</i>	N/A	N/A	9.18	8.87 – 9.18		
<b>State Regulated Contaminants</b>						
Fluoride (ppm) <i>Water additive which promotes strong teeth</i>	4	4	0.76	0.67 – 0.76		
<b>Radioactive Contaminants</b>						
Combined Radium (226/228) (pCi/L) <i>Decay of natural and man-made deposits.</i>	0	5	0.95	0.83 – 0.95		02-04-2020
Gross Alpha excluding radon and uranium (pCi/L) <i>Decay of natural and man-made deposits.</i>	0	15	3.1	2.8 – 3.1		02-04-2020

## Fifth Unregulated Contaminant Monitoring Rule (UCMR 5)

As required by UCMR 5, EPA's latest monitoring cycle, the City of Chicago has completed monitoring for 25 perfluorinated & polyfluorinated alkyl substances, 4 perfluorinated alkyl acids, and lithium in its drinking water for four quarters in 2024. None of the contaminants were detected in our drinking water.

## Units of Measurement

**ppm:** Parts per million, or milligrams per liter

**ppb:** Parts per billion, or micrograms per liter

**NTU:** Nephelometric Turbidity Unit, used to measure cloudiness in drinking water

**%≤0.3 NTU:** Percent of samples less than or equal to 0.3 NTU

**pCi/L:** Picocuries per liter, used to measure radioactivity

## **TURBIDITY**

Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of water quality and the effectiveness of our 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 recommends 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 no state or federal MCL for sodium. Monitoring is required to provide information to consumers and health officials who have concerns about sodium intake due to dietary precautions. If you are on a sodium-restricted diet, you should consult a physician about the level of sodium in the water.

## **SOURCE WATER ASSESSMENT SUMMARY**

### **Source Water Location**

The City of Chicago utilizes Lake Michigan as its source water via two water treatment plants. The Jardine Water Purification Plant serves the northern areas of the City and suburbs, while the Sawyer 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 Summary**

The Illinois EPA 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 determined the susceptibility of the source water to contamination. The Illinois EPA has completed the Source Water Assessment Program for our supply.

### **Susceptibility to Contamination**

The Illinois EPA 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 of all surface water supplies in Illinois. Chicago's offshore intakes are located at a distance where 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 the 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.

Further information on our community water supply's Source Water Assessment Program is available by calling DWM at 312-742-2406 or by going online at <http://dataservices.epa.illinois.gov/swap/factsheet.aspx>

## **2024 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. No Cryptosporidium or Giardia was detected in source water samples collected in 2024. Treatment processes have been optimized to provide effective barriers for removal of Cryptosporidium oocysts and Giardia cysts in the source water, effectively removing these organisms in the treatment process. 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 2024, CDWM has 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 DWM's Water Quality Division at 312-744-8190. Data reports on the monitoring program for chromium-6 are posted on the City's website which can be accessed at the following address below:

[http://www.cityofchicago.org/city/en/depts/water/supp\\_info/water\\_quality\\_resultsandreports/city\\_of\\_chicago\\_emergincontaminantstudy.html](http://www.cityofchicago.org/city/en/depts/water/supp_info/water_quality_resultsandreports/city_of_chicago_emergincontaminantstudy.html)

For more information, please contact

Patrick Schwer

At 312-744-8190

Chicago Department of Water Management

1000 East Ohio Street

Chicago, IL 60611

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:

The City of Chicago

Department of Water Management