

# 2025 - CITY OF DARIEN WATER DEPARTMENT CONSUMER CONFIDENCE REPORT

In the calendar year of 2025, as in years past, your tap water met all USEPA and state drinking water health standards. This report summarizes the quality of water that we provided last year, including details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. We are committed to providing you with information because informed customers are our best allies.

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

## Annual Quality Water Report

This report is intended to provide you with important information about your drinking water and the efforts made by the DARIEN water system to provide safe drinking water. The source of drinking water used by DARIEN is Purchased Surface Water from the City of Chicago, Illinois.

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 held at City Hall. You can find the scheduled dates and times of these meetings at the following link: <https://darien.il.us/government/meeting-dates-and-times>. City Council Meetings are typically held on the first and third Monday of every month starting at 7:30 pm at City Hall, 1702 Plainfield Rd. 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, Kris Throm at (630) 353-8105. 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 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.

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 at (800) 426-4791.

## 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.

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).

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 Darien is responsible for providing high quality drinking water and removing lead pipes, but cannot control the variety of materials used in plumbing components in your home. You share the responsibility for protecting yourself and your family from the lead in your home plumbing. You can take responsibility by identifying 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 Kris Throm at (630) 353-8105 for more information. 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 Availability

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

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 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 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.

**DARIEN IL0430270 – 2025 (continued)**

**2025 REGULATED CONTAMINANTS DETECTED**

**Regulated Contaminants**

**Lead and Copper** – The City of Darien completed Lead and Copper sampling in 2023 in accordance with IEPA Sampling requirements.

**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.

Copper Range: 0.00431 ppm to 0.464 ppm

Lead Range: 0.00 ppb to 2,020.00 ppb

Lead and Copper	Date Sampled	MCLG	Action Level (AL)	90 <sup>th</sup> Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	6/29/2023	1.3	1.3	0.2	0	ppm	N	Corrosion of household plumbing systems; Erosion of natural deposits
Lead	6/29/2023	0	15	1.22	1	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits

The City of Darien has developed a Service Line Material Inventory and we continue to work to update any missing information. To obtain a copy of the City of Darien’s Lead tap sampling data or the City of Darien’s Service Line Material Inventory please contact: Kris Throm @ (630) 353-8105.

Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Chlorine	2025	1.1	1 - 1.1	MRDLG = 4	MRDL = 4	ppm	N	Water additive used to control microbes
Haloacetic Acids (HAA5)	2025	21	11.3 – 27	No goal for the total	60	ppb	N	By-Product of drinking water disinfection
Total Trihalomethanes (TTHM)	2025	57	25 - 65	No goal for the total	80	ppb	N	By-Product of drinking water disinfection

**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	0 positive monthly samples	0		0	N	Naturally present in the environment

**City of Darien Source Water Information**

Source Water Name	Source Water ID	Type of Water	Report Status	Location
CC 04-MASTER METER 4 – Plainfield Rd. Pump Station	FF IL0435400 TP01: LAKE	SW	_____	PLAINFIELD RD. E of CASS AVE DELIV STRU
CC 07-MASTER METER 7 – 75 <sup>th</sup> St. Pump Station	FF IL0435400 TP01: LAKE	SW	_____	75 <sup>TH</sup> ST W OF FAIRVIEW AVE DELIV STRU

**DARIEN IL0430270 – 2025 (continued)**

**Fifth Unregulated Contaminant Monitoring Rule (UCMR 5)**

As required by UCMR 5, the EPA’s latest monitoring cycle, in 2025 the City of Darien completed the remaining three of four quarterly samples monitoring for 25 perfluorinated & polyfluorinated alkyl substances, 4 perfluorinated alkyl acids, and lithium in its drinking water. These Unregulated Contaminants are ones that do not yet have a drinking water standard set by the EPA. The purpose of monitoring for these contaminants is to help the EPA decide whether the contaminants should have a standard. None of the contaminants tested were detected in the City of Darien’s Drinking water above the reporting limits. As our customer, you have the right to know that these data are available. If you are interested in examining the results, please contact, Kris Throm at (630) 353-8105.

**Water Quality Test Results**

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

**Maximum Contaminant Level or MCL:** The highest level of a contaminant that is allowed in drinking water. MCL’s are set as close to the MCLGs (Maximum Contaminant Level Goal) 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. MCLG’s allow for a margin of safety.

**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.

**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.

**ppb:** Micrograms per liter or parts per billion - or one ounce in 7,350,000 gallons of water.

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

**ppm:** Milligrams per liter or parts per million - or one ounce in 7,350 gallons of water.

**na:** Not applicable

**pCi/l** - Picouries per liter, used to measure radioactivity

**ug/l** = micrograms per liter or parts per billion or one ounce in 7,350,000 gallons of water

**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.

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

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

**2025 VIOLATION SUMMARY TABLE**

The City of Darien did not have any Violations during 2025			
Violation Type	Violations Began	Violation Ended	Violation Explanation
N/A	N/A	N/A	N/A

**Violation Corrective Action:**

N/A

For more information about this report contact:  
City of Darien Water Operator: Kris Throm  
Phone: (630) 353-8105

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 Darien Water Department  
Water System ID# IL0430270

# 2025 Water Quality Data - IL0316000 CHICAGO

## DATA TABULATED BY CHICAGO DEPARTMENT OF WATER MANAGEMENT

**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 2025.*

**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>						
<b>Turbidity</b> (NTU/Lowest Monthly % ≤0.3 NTU) <i>Soil runoff</i>	N/A	TT(Limit: 95%≤0.3 NTU)	Lowest Monthly %: 100%	100% - 100%		
<b>Turbidity</b> (NTU/Highest Single Measurement) <i>Soil runoff</i>	N/A	TT(Limit 1 NTU)	0.29	N/A		
<b>Inorganic Contaminants</b>						
<b>Arsenic</b> (ppb) Natural erosion of rock and mineral deposits, particularly in groundwater. It is also released through human activities such as pesticide application mining, smelting and wood preservatives.	0	10	0.54	ND – 0.54		
<b>Barium</b> (ppm) <i>Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits</i>	2	2	0.0191	0.0182 – 0.0191		
<b>Nitrate (as Nitrogen)</b> (ppm) <i>Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits</i>	10	10	0.36	0.32 – 0.36		
<b>Total Nitrate &amp; Nitrite (as Nitrogen)</b> (ppm) <i>Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits</i>	10	10	0.36	0.32 – 0.36		
<b>Total Organic Carbon (TOC)</b>						
<b>TOC</b>	The percentage of TOC removal was measured each month and the system met all TOC removal requirements set by IEPA.					
<b>Unregulated Contaminants</b>						
<b>Sulfate</b> (ppm) <i>Erosion of naturally occurring deposits</i>	N/A	N/A	27.2	26.8 – 27.2		
<b>Sodium</b> (ppm) <i>Erosion of naturally occurring deposits; Used as water softener</i>	N/A	N/A	9.10	8.67 – 9.10		
<b>State Regulated Contaminants</b>						
<b>Fluoride</b> (ppm) <i>Water additive which promotes strong teeth</i>	4	4	0.75	0.65 – 0.75		
<b>Radioactive Contaminants</b>						
<b>Combined Radium (226/228)</b> (pCi/L) <i>Decay of natural and man-made deposits.</i>	0	5	0.95	0.83 – 0.95		02-04-2020
<b>Gross Alpha excluding radon and uranium</b> (pCi/L) <i>Decay of natural and man-made deposits.</i>	0	15	3.1	2.8 – 3.1		02-04-2020

#### ***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

## **CHICAGO IL0316000– 2025 (continued)**

### **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 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 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>

## **2025 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 2025. 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.

## **CHICAGO IL0316000– 2025 (continued)**

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  
Water System ID# IL0316000