# Annual Drinking Water Quality Report

TTLDEN	Courses of Duilding to	
and the state of state of	Source of Drinking Water	prinking water, including bottled water, may reasonably be expected to contain at least small
IL1570700	The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams,	amounts of some contaminants. The presence of contaminants does not necessarily indicate that
Annual Water Quality Report for the period of January 1 to December 31, 2023	ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals	water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPAs Safe Drinking Water
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.	and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.	Hotline at (800) 425-4791.
	Contaminants that may be present in source water	drink, EPA prescribes regulations which limit the
The source of drinking water used by	- Microbial contaminants, such as viruses and	amount of certain contaminants in water provided
TILDEN is Purchased Surface Water	Dacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.	by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.
For more information regarding this report contact:	- Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result	Some people may be more vulnerable to contaminants
Name Sanders Env. ~ Can Sanders	domestic wastewater discharges, oil and gas	Immuno-compromised persons such as persona with
Phone [1610] 534.1000	production, mining, or farming.	cancer undergoing chemotherapy, persons who have
mone (as) of o'r	<ul> <li>Pesticides and herbicides, which may come from a variety of sources such as agriculture when start</li> </ul>	undergone organ transplants, people with HIV/AIDS or other immune system disorders, some alderly and
	water runoff, and residential uses.	infants can be particularly at risk from
Peta informo contiene información	- Organic chemical contaminants, including	drinking water from their health care providers
el agua que usted bebe. Tradúzcalo ó hable con alguien	by-products of industrial processes and petroleum	BPA/CDC guidelines on appropriate means to lessen
que lo entienda bien.	production, and can also come from gas stations,	microbial contaminants are available from the Safe
Mit and 2vo Turch	arban storm water runorr, and septic systems.	Drinking Water Hotline (800-425-4791).
. Meetings: 2 Mesaay	- Radioactive contaminants, which can be	If present, elevated levels of lead can cause
of month.	production and mining activities.	serious health problems, especially for pregnant women and young children. Lead in drinking water
Q 1000		is primarily from materials and components associated with service lines and home plumbing.
a IFRI.		plumbing components. When your water has been
Fal School Sheet		sitting for several hours, you can minimize the
		for 30 seconds to 2 minutes before using water for
Tildun		drinking or cooking. If you are concerned about
Inden, IL		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
CC02-METER IN BS ON BERNREVTER ST	SW		APP. 200E OF IL RTE 4

#### 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 a 534 1699. 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.

Source of Water: KASKASKIA WATER DISTRICTILLINOIS EPA considers all surface water sources of community water supply to be susceptible to potential pollution problems, hence, the reason for mandatory treatment for all surface water supplies in Illinois. Mandatory treatment includes coagulation, sedimentation,

#### 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 action Level. The contemptation of

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	2023	1.3	1.3	0.266	0	ppm	Ν	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.

# 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	2023	2.4	1.8 - 3	MRDLG = 4	MRDL = 4	ppm	N	Water additive used to control microbes.
Haloacetic Acids (HAA5)	2023	32	16.3 - 30.7	No goal for the total	60	ррЬ	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2023	61	30.7 - 61	No goal for the total	80	ppb	N	By-product of drinking water disinfection.

### Violations Table

Consumer Confidence Rule			
The Consumer Confidence Rule requires the water delivered by the system	ires community wat	ter systems to p	repare and provide to their customers annual consumer confidence reports on the quality of
Violation Type	Violation Begin	Violation End	Violation Explanation
CCR ADEQUACY/AVAILABILITY/CONTENT	07/10/2023	01/02/2024	We failed to provide to you, our drinking water customers, an annual report that adequately informed you about the quality of our drinking water and the risks from exposure to contaminants detected in our drinking water
Lead and Copper Rule			
The Lead and Copper Rule protects copper enter drinking water mainly	public health by from corrosion c	minimizing lead of lead and copp	and copper levels in drinking water, primarily by reducing water corrosivity. Lead and
Violation Type	Violation Begin	Violation End	Violation Explanation

FOLLOW-UP OR ROUTINE TAP M/R (LCR)	10/01/2023	2023	We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated.
		A REAL PROPERTY AND A REAL	

Please note that we failed to include all the required content in last years Consumer Confidence Report in the prescribed time frame and in making it readily available to customers. We have taken steps to assure that we include all information, notify you of availability and meet all deadlines specified to us.

Out of 10 Lead & Copper samples, 1 sample could not be located at the lab, therefore that made our samples incomplete and out of compliance. However, the 9 samples were satisfactory. We will make every effort to assure all samples are received on our next sampling schedule.

	Monitori	ng Violations Annual N	lotice Template	
IMPOR	TANT INFORM	ATION ABOUT	YOUR DRINK	ING WATER
4	Aonitoring Requirem	ents Not Met for TII	DEN WATER DIS	TRICT
Our water system vio our customers, you ha	lated several drinking wa ve a right to know what !	ter standards over the p	ist year. Even though th id to correct these situat	ese were not emergencies, as ions.
We are required to monitoring are an 1/1/2021-12/31/202 drinking water duri	monitor your drinking 1 indicator of wheth 3 we did not test for 1 1g that time.	water for specific con er or not our drin LEAD & COPPER an	taminants on a regula king water meets h d therefore cannot be	r basis. Results of regular ealth standards. During stare of the quality of our
What should I do?				
There is nothing you	I need to do at this time			
The table below lists sample for this conta should have been take	the contaminant(s) we d minant,how many samp n, and the date on which i	id not properly test for les we are supposed to follow-up samples were	during the last year, ho take, how many samp (or will be) taken.	w often we are supposed to les we took, when samples
Contaminant	Required sampling frequency	Number of samples taken	When all samples should have been taken	When samples were or will be taken
Lead & Copper	10	0	/1/2021-12/31/2023	8/23/2023
What happened? Wha	at is being done?			

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9 of the 10 samples were collected, but the 10th sample could not be located at the lab. So since 1 of the 10 samples was not analyzed that makes the results incomplete. Note that the 9 sample results were all satisfactory. When our EPA sampling schedule comes due, we will make every effort to document and follow up that all samples are present and

For more information, please contact Sanders Environmental ~Cari Sanders (618)534-1879

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.

IL1570700 This notice is being sent to you by TILDEN Water System ID# WATER DISTRICT



Date distributed

# Regulated Contaminants KASKASKIA W.D.

Disinfectants and Disinfection By- Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Chloramines	2023	2.2	1 - 2.8	MRDLG = 4	MRDL = 4	ppm	N	Water additive used to control microbes.
Haloacetic Acids (HAA5)	2023	32	30 - 32	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2023	70	65.2 - 70	No goal for the total	80	ppb	N	By-product of drinking water disinfection.
Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Arsenic	2023	1	0.52 - 0.52	0	10	ppb	N	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
Barium	2023	0.0477	0.0477 - 0.0477	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	2023	0.7	0.71 - 0.71	4	4.0	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Nitrate [measured as Nitrogen]	2023	1	0.64 - 0.64	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Sodium	2023	28	28300 - 28300			ppb	N	Erosion from naturally occuring deposits. Used in water softener regeneration.

#### Turbidity

	Limit (Treatment Technique)	Level Detected	Violation	Likely Source of Contamination	
Highest single measurement	1 NTU	0.19 NTU	N	Soil runoff.	
Lowest monthly % meeting limit	0.3 NTU	100%	N	Soil runoff.	

Information Statement: Turbidity is a measurement of the cloudiness of the water caused by suspended particles. We monitor it because it is a good indicator of water quality and the effectiveness of our filtration system and disinfectants.

Total Organic Carbon KASKASKIA W.D. The percentage of Total Organic Carbon (TOC) removal was measured each month and the system met all TOC removal requirements set, unless a TOC violation is