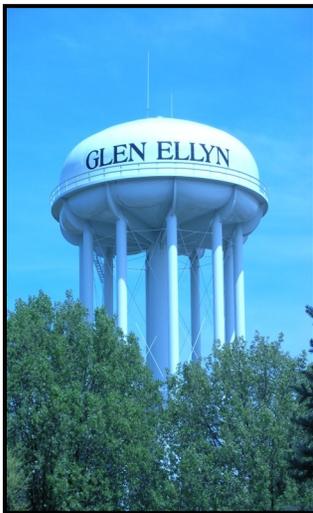


2012 Water Quality Report

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Water provided by the Village of Glen Ellyn meets or exceeds all state and federal water quality standards



This Annual Water Report is for the period of January 1, 2011 to December 31, 2011.

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

The source of the drinking water used in Glen Ellyn is Purchased Surface Water.

For more information regarding this report contact:

Name Gary Bach, Plant Operator
Phone (630) 469-6756

OVERVIEW OF GLEN ELLYN'S WATER SYSTEM

Lake Michigan is a surface water supply, providing drinking water to the City of Chicago and over 120 suburban communities. The Great Lakes system comprises 21% of the World's fresh water.

Drinking water in the Village of Glen Ellyn is supplied by the DuPage Water Commission (DWC), which purchases Lake Michigan water from the City of Chicago. Before it is purchased by the DWC, lake water is treated at Chicago's Jardine Purification Plant. After leaving the Jardine Purification Plant, the water is conveyed to DWC's metering stations and then sold to Glen Ellyn. It then goes into either the water distribution system or into a water storage facility. The Glen Ellyn water distribution system consists of 147 miles of water main, 1,368 water main valves and 1,265 fire hydrants. We also have two standby ground water wells, 2 one-million gallon reservoirs and 2 elevated storage tanks with a combined 1.25 million gallon capacity.

The average pumpage to our customers is 2.75 million gallons per day. This equates to one billion gallons purchased and consumed on an annual basis, or an average of 100 gallons per day per person.

Glen Ellyn delivers high-quality drinking water. Many steps must be taken to attain this goal. Daily monitoring is conducted at all receiving stations. Each week, water samples are collected at representative locations throughout the Village and brought to an independent certified laboratory for microbiological analysis. Sample collection and facility monitoring are performed by Village staff members who are IEPA certified Public Water Supply Operators. Samples are also collected and analyzed to detect specific Volatile Organic Contaminants in the water as prescribed by federal and state regulation.

The sources of drinking water (both tap and bottled water) include rivers, lakes, ponds, streams, reservoirs, springs and wells. As water travels over the surface or through the ground, it can dissolve naturally-occurring minerals and radioactive materials, and pick up substances resulting from the presence of animals or from human activity.

Possible contaminants consist of:

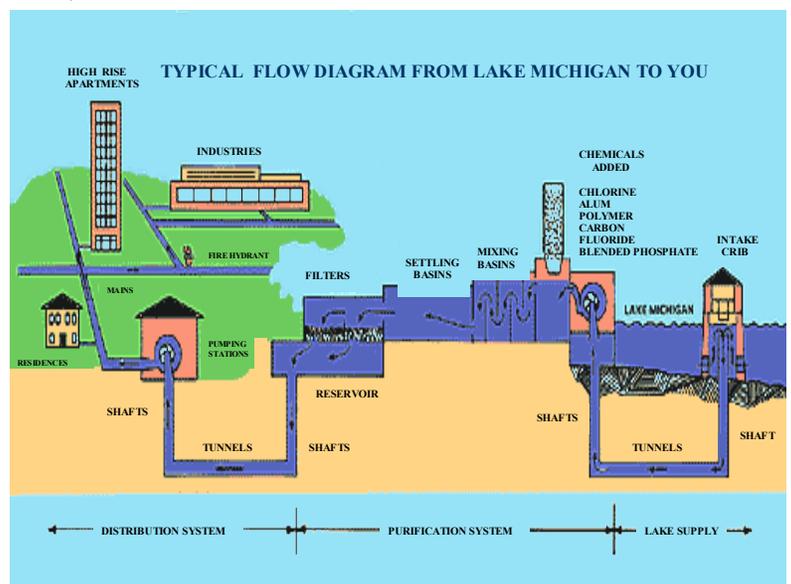
MICROBIAL CONTAMINANTS, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife;

INORGANIC CONTAMINANTS, such as salts and metals, which may be naturally-occurring or result from urban 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; and

RADIOACTIVE CONTAMINANTS, which may be naturally-occurring or be the result of oil and gas production and mining activities.



The table below shows the results of our water quality analysis based on tests conducted during 2011. Every regulated contaminant that was detected in the water, even in minute traces, is listed here. The table contains the name of each substance, the highest level allowed by regulation (MCL), the ideal goals for public health, the amount detected, the usual sources of such contamination, footnotes explaining our findings, and a key to units of measurement. Definitions of MCL and MCLG are important.

Maximum Contaminant Level Goal (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 Contaminant Level (MCL) - The highest level of a contaminant that is allowed in drinking water. MCL's are set as close to MCLG's as feasible using the best available treatment technology.

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

Action Level (AL)- The concentration of a contaminant that triggers treatment or other required actions by the water supply.

Action Level Goal (ALG)- 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.

Maximum Residual Disinfectant Level Goal (MRDLG) - The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLG's do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Maximum Residual Disinfectant Level (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.

ABBREVIATIONS	n/a	AL	TT	NTU
	Not Applicable	Action Level	Treatment Technique	Nephelometric Turbidity Units
pCi/l	Picocuries per liter (a measure of radioactivity)		ppm	Parts per million, or milligrams per liter (mg/l) or one ounce in 7,350 gallons of water.
ppb	Parts per billion, or micrograms per liter (ug/l), or one ounce of water in 7,350,000 gallons of water.			
(*)	Samples Collected by the City of Chicago. All other samples were collected by the Village of Glen Ellyn.			

Detected Contaminants

Contaminant (unit of measurement) Typical Source of Contamination	MCLG	MCL	Highest Level Detected	Range of Detections	Violation	Date of Sample
<u>Turbidity Data</u>						
TURBIDITY (%<0.3 NTU) * Soil runoff. Lowest monthly percent meeting limit	n/a	TT	99.50%	99.5%-100%	NO	2011
TURBIDITY (NTU) * Soil runoff. Highest Single Measurement	n/a	TT=1NTU Max	0.86	n/a	NO	2011
NOTE: Turbidity is a measure of cloudiness in water. The City of Chicago monitors turbidity because it is a good indicator of water quality and the effectiveness of the filtration system and disinfectants.						
<u>Inorganic Contaminants</u>						
BARIUM (ppm) * Discharge from drilling wastes; Discharge from metal refineries; Erosion of natural deposits.	2	2	0.0208	0.0201-0.0208	NO	2011
NITRATE (As Nitrogen) (ppm) * Runoff from fertilizer use; Leaching of septic tanks; Erosion of natural deposits.	10	10	0.44	0.39-0.44	NO	2011
TOTAL NITRATE & NITRITE (As Nitrogen) (ppm) * Runoff from fertilizer use; Leaching of septic tanks; Erosion of natural deposits.	10	10	0.44	0.39-0.44	NO	2011
<u>Total Organic Carbon</u>						
TOC [Total Organic Carbon] * The percentage of Total Organic Carbon (TOC) removal was measured each month and the system met all TOC removal requirements set by the IEPA.						
<u>State Regulated Contaminants</u>						
FLUORIDE (ppm) * Water additive which promotes strong teeth.	4	4	0.92	0.81-0.92	NO	2011
NOTE: Fluoride is added to the water supply to help promote strong teeth. The Illinois Department of Public Health recommends an optimal range of 0.9 mg/l to 1.2 mg/l.						
<u>Radioactive Contaminants</u>						
COMBINED RADIUM 226/228 (pCi/L) * Decay of natural and man-made deposits.	0	5	1.38	1.30-1.38	NO	3/17/2008
GROSS ALPHA (pCi/L) * (Excluding radon and uranium) Decay of natural and man-made deposits.	0	15	0.88	0.09-0.88	NO	3/17/2008
NOTE: The State requires monitoring of certain contaminants less than once per year because the concentration of these contaminants does not change frequently.						

Detected Contaminants Continued

Contaminant (unit of measurement) Typical Source of Contamination	MCLG	MCL	Highest Level Detected	Range of Detections	Violation	Date of Sample
Unregulated Contaminants						
SULFATE (ppm) * Erosion of naturally occurring deposits.	n/a	n/a	16.1	14.4 - 16.1		2011
SODIUM (ppm) * Erosion of naturally occurring deposits Used in water softener.	n/a	n/a	6.64	6.63 - 6.64		2011
<p>NOTE: The maximum contaminant level (MCL) for Unregulated Contaminants have not been established by either state or federal regulations, nor has mandatory health effects language. The purpose for monitoring these contaminants is to assist the USEPA in determining the occurrence of unregulated contaminants in drinking water, and whether future regulation is warranted.</p>						

Disinfectants and Disinfection By-Products						
CHLORINE (ppm) Water additive used to control microbes.	MRDLG=4	MRDL=4	0.63	0.30 - 1.50	No	2011
HALOACETIC ACIDS (HAA5) (ppb) By-product of drinking water chlorination	No Goal for total	60	15	12.6 - 16.9	No	2011
TOTAL TRIHALOMETHANES (TTHm) (ppb) By-product of drinking water chlorination	No Goal for total	80	38	20.7 - 51.6	No	2011
<p>NOTE: Not all sample results may be used for calculating the Highest Level Detected in the HAA5's and TTHm's because some results may be part of an evaluation to determine where sampling should occur in the future.</p>						

Lead & Copper							
CONTAMINANT (UNITS)	MCLG	ACTION LEVEL (AL)	# of SITES 90th PERCENTILE	EXCEEDING AL	VIOLATION	COLLECTION DATE	LIKELY SOURCE OF CONTAMINATION
LEAD (ppm)	0	15	7.86	2	NO	2011	Corrosion of household plumbing systems; Erosion of natural deposits.
COPPER (ppm)	1.3	1.3	.212	0	NO	2011	Erosion of natural deposits; leaching from wood preservatives; corrosion of household plumbing systems.
<p><i>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. Glen Ellyn is responsible for providing high quality drinking water, but we cannot control the variety of materials used in plumbing components.</i></p> <p><i>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 the 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 your drinking water, testing methods, and steps you can take to minimize exposure to lead is available from the Safe Drinking Water Hotline (800) 426-4791 or on the web at http://www.epa.gov/safewater/lead.</i></p>							

Additional Testing

The Chicago Water Department has conducted monthly cryptosporidium analysis since April, 1993. Cryptosporidium has not been detected in these samples. Treatment processes have been optimized to ensure that if there were cryptosporidium cysts in the water source they would be removed during the treatment process.

UNREGULATED CONTAMINANT MONITORING RULE II (UCMRII) : The City of Chicago was required to monitor for all contaminants required under the Unregulated Contaminant Monitoring Rule (UCMRII). Started in 2009, monitoring under UCMRII was completed in 2011, with none of the contaminants detected. Inquiries and results may be obtained calling the Chicago Water Quality Division office (312) 742-7499.

Additional Health Information

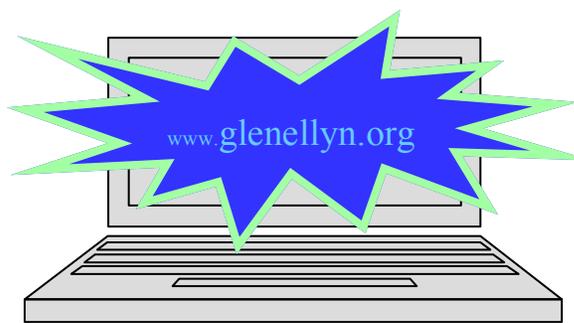
In order to ensure that tap water is safe to drink, the USEPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

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 USEPA's Safe Drinking Water Hotline (1-800-426-4791).

Some people may be more vulnerable to contaminants in the drinking water than the general population. Immuno-compromised persons such as persons 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 provider. USEPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium or other microbial contaminants are available from the USEPA's Safe Drinking Water Hotline (1-800-426-4791).

The Illinois EPA considers all surface water sources of a 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 the 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.

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 the Public Works Department or call our water operator at (630)469-6756. 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>.



We want our valued customers to be informed about their water quality. If you are interested in learning more about our drinking water, or have questions, please call Gary Bach at the Village of Glen Ellyn Public Works Department at (630) 469-6756.

Please feel free to attend any of our regularly scheduled board meetings which are posted on the Village Website: www.glenellyn.org

Water quality data from community water systems throughout the United States is available at www.waterdata.com.

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IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

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