



VILLAGE OF SLEEPY HOLLOW

*One Thoroughbred Lane
Sleepy Hollow, IL 60118-1898*

Sleepy Hollow – IL 089075

Annual Drinking Water Quality Report January 1 to December 31, 2022

This report is intended to provide you with important information about your drinking water and the efforts made by this water system to provide safe drinking water. The source of drinking water used by SLEEPY HOLLOW is Surface Water purchased from Elgin, IL and distributed from two pumping stations.

The Village wants all its residents to be informed about their water quality. If you would like to learn more, please feel free to attend any of our regularly scheduled Village Board meetings or for more information about this report contact: Kyle Killinger, Director of Public Works 847.428.5636. You are always welcome to contact the Elgin Water Quality Lab at 847.931.6106.

Source of Drinking Water

The sources of drinking water (both tap and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water passes 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. 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 can come from a variety of sources such as agricultural, 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.

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.

In order to insure that tap water is safe to drink, EPA prescribes regulations which limits 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 people with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, elderly and infants can be particularly at risk from infections. These people should seek advice from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risks of infection from *Cryptosporidium* and other microbial contaminants are also available from the Safe Drinking Water Hotline.

If present, elevated levels of 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. We 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 2 minutes before using the water for cooking or drinking. If you are concerned about lead in your water, you may wish to have your water tested. Information is available at the Hotline or at <http://www.epa.gov/safewater/lead>

Source Water Assessment

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 <https://www2.illinois.gov/epa/topics/water-quality>. The Illinois EPA considers all surface water sources of community water supplies 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, filtration, and disinfection. The Illinois EPA has determined that the Elgin wells are not susceptible to IOC, VOC or SOC contamination. This determination is based on a number of criteria including, monitoring conducted at the wells, monitoring conducted at the entry points to the distribution system; and the available hydro geologic data for the well. In anticipation of the U.S. EPA's proposed Ground Water Rule, the Illinois EPA has determined that the Elgin community water supply wells are not vulnerable to viral contamination. This determination is based upon the elevation of the following criteria during the Vulnerability Waiver Process: the community's wells are properly constructed with sound integrity and proper site conditions; there is a hydro geologic barrier that restricts pathogen movement; all potential routes and sanitary defects have been mitigated such that the source water is adequately protected; monitoring data did not indicate a history of disease outbreak; and the sanitary survey of the water supply did not indicate a viral contamination threat. However, having stated this, the U.S. EPA is proposing to require States to identify systems in karst, gravel, and fractured rock aquifer systems as sensitive. Water systems utilizing these aquifer types would be required to perform routine source water monitoring. Because the community's wells are constructed in a confined aquifer, which should provide an adequate degree of protection to prevent the movement of pathogens into the wells, well hydraulics were not considered to be a significant factor in the vulnerability determination.

The Main Source of Drinking Water for Elgin, Illinois is Surface Water from the Fox River, Groundwater is also supplied from six (6) Elgin Community Water Wells.

Water Quality Test Results

Definitions:	The following tables contain scientific terms and measurements, some of which may require explanation.
Avg:	Regulatory Compliance with some MCL's 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 Containment Level Goal or MCLG:	This level of a contaminant in drinking water below which there is no known expected risk to health. MCLGs allow for a margin of safety.
Maximum residual disinfectant 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.
N/A:	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.



VILLAGE OF SLEEPY HOLLOW, IL FACILITY NUMBER 089075

2022 Regulated Contaminants Detected

Regulated Contaminants

Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Chloramines	12/31/2022	3	3 - 3	MRDLG = 4	MRDL = 4	ppm	N	Water additive used to control microbes.
Haloacetic Acids (HAA5)	2022	24	12.84 – 33.6	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2022	48	18.4 – 77.3	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	1 positive monthly sample.	1		0	N	Naturally present in the environment.

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 safety.

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)	90 th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	06/30/2020	1.3	1.3	0.16	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	06/30/2020	0	15	1.6	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.



CITY OF ELGIN, IL FACILITY NUMBER 0894380

Page 1 of 2

2022 Regulated Contaminants Detected

Inorganic Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Arsenic	2022	1	0.8 - 0.8	0	10	ppb	N	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production waste.
Barium	2022	0.0819	0.0819 – 0.0819	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	2022	0.7	0.67 – 0.67	4	4.0	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Iron	2022	0.1	0 – 0.0937		1.0	ppm	N	This contaminant is not currently regulated by the USEPA. However, the State regulates. Erosion of natural deposits.
Nitrate (measured as Nitrogen)	2022	2	0 – 1.8	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Sodium	2022	81	81.1 – 81.1			ppm	N	Erosion of naturally occurring deposits. Used in water softener regeneration.
Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLC	MCL	Units	Violation	Likely Source of Contamination
Combined Radium 226/228	07/01/2020	0.993	0.993 – 0.993	0	5	pCi/L	N	Erosion of natural deposits
Gross alpha excluding radon and uranium	07/01/2020	1.94	1.94 – 1.94	0	15	pCi/L	N	Erosion of natural deposits



CITY OF ELGIN, IL FACILITY NUMBER 0894380

Page 2 of 2

2022

Regulated Contaminants Detected

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	5% of monthly samples are positive.	0.9		0	N	Naturally present in the environment.

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 safety.

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)	90 th Percentile	# Sites over AL	Units	Violation	Likely Source of Contamination
Copper	2022	1.3	1.3	0.107	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2022	0	15	21	18	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

Turbidity

	Limit (Treatment Technique)	Level Detected	Violation	Likely Source of Contamination
Highest single measurement	1 NTU	0.3 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

The percentage of Total Organic (TOC) removal was measured each month and the system met all TOC removal requirements set, unless a TOC violation is noted in the violations section.