

Presented By
Village of Willowbrook

REPORTING YEAR 2018

ANNUAL WATER QUALITY REPORT

Dear Willowbrook Water Customer:

The Consumer Confidence Report (CCR) rule requires all community water systems to provide reports to their customers on the quality of their drinking water. In this report, the Village of Willowbrook, in conjunction with the DuPage Water Commission, City of Chicago, and the Illinois Environmental Protection Agency (IEPA), is providing the required information pertaining to source water monitoring for the period January 2018 through December 2018.

The Village of Willowbrook has provided water that meets all the requirements of the United States Environmental Protection Agency (U.S. EPA) and the Illinois Environmental Protection Agency (IEPA) drinking water standards. The following report is being provided to help you better understand the quality of the water you consume and use on a daily basis. Consumers with medical conditions may use the water quality analysis provided here to request a City of Chicago complete water analysis, to use when consulting with their family doctors. Others may learn ways to better protect their children from the effects of lead in our environment, or how to conserve water in our daily lives. A well-informed consumer is the best ally the Village has in providing clean, safe water to its consumers.

Sincerely,

Frank A. Trilla, Mayor
Village of Willowbrook

Important Health Information

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as those with cancer undergoing chemotherapy, those who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants may be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The U.S. EPA/CDC (Centers for Disease Control and Prevention) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline at (800) 426-4791 or <http://water.epa.gov/drink/hotline>.



Lead in Home Plumbing

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 are responsible for providing high-quality drinking water, but 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 30 seconds to 2 minutes before using 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 drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline at (800) 426-4791 or at www.epa.gov/safewater/lead.

Source Water Assessment Summary

The Illinois EPA has implemented a Source Water Assessment Program (SWAP) to assist with watershed protection of public drinking water supplies. The SWAP inventoried potential sources of contamination and determined the susceptibility of the source water to contamination. The Illinois EPA has completed the SWAP for our supply. Further information on our community water supply's SWAP is available by calling the City of Chicago, Department of Water Management, at (312) 744-6635.

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For more information about contaminants and potential health effects, call the U.S. EPA's Safe Drinking Water Hotline at (800) 426-4791. Radiative Contaminants, which can be naturally occurring or may be the result of oil and gas production and mining activities, and specific systems;

Organic Chemical Contaminants, including synthetic and natural organic chemicals, which are by-products of industrial processes and petroleum production and may also come from gas stations, urban stormwater runoff, and septic systems; Pesticides and Herbicides, which may come from a variety of sources such as agriculture, urban stormwater discharges, oil and gas production, mining, or farming; Inorganic Contaminants, such as salts and metals, which can be naturally occurring or may result from urban stormwater runoff, agricultural activities, such as salt use and metals, which may come from human activity. Substances that may be naturally occurring minerals, in some cases, dissolve surface of the land or through the ground, it travels over the reservoirs, springs, and wells. As water travels over the ground it picks up natural and man-made substances in the soil and rocks, such as salts and metals, which may be present in source water and pose a health risk.

Contaminants does not necessarily indicate that the amounts of some contaminants. The presence of these may reasonably be expected to contain at least small amounts of public health. Drinking water, including bottled water, water that must provide the same protection for water regulations establish limits for contaminants in bottled water systems. U.S. Food and Drug Administration of certain contaminants in water provided by public water systems regulates the amount of EPA prescribes regulations limiting the amount of certain contaminants in water to drink, the U.S. To ensure that tap water is safe to drink, the U.S. water poses a health risk.

Substances That Could Be in Water

Description of the Water Treatment Process

Your water is treated in a treatment train (that is, a series of processes applied in a sequence) that includes coagulation, flocculation, sedimentation, filtration, and disinfection. Coagulation removes dirt and other particles suspended in the source water by adding chemicals (coagulants) to form tiny sticky particles called floc, which attract the dirt particles. Flocculation (the formation of larger flocs from smaller ones) is achieved using gentle, constant mixing. The heavy particles settle naturally out of the water in a sedimentation basin. The clear water then moves to the filtration process, where the water passes through sand and gravel filters that remove even smaller particles. A small amount of chlorine is used to kill bacteria and other microorganisms (viruses, cysts, etc.) that may be in the water before water is stored and distributed to homes and businesses in the community.

Cryptosporidium

The City of Chicago has continued monitoring for *Cryptosporidium*, Giardia, and *E. coli* in its source water as part of its water quality program. To date, *Cryptosporidium* has not been detected in these samples, but Giardia was detected in 2010 in one raw lake water sample collected in September of 2010. 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. Also, in compliance with the Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR) Round 2, the City of Chicago has continued the 24-month-long monitoring program that was started in April 2015, collecting samples from its source water once per month to monitor for *Cryptosporidium*, Giardia, *E. coli*, and turbidity, with no detections for *Cryptosporidium* and Giardia reported so far.

QUESTIONS?

For more information about this report, or for any questions relating to your drinking water, please contact Joe Coons, Superintendent of Public Works, at (630) 920-2250.

