



VILLAGE OF
INDIAN HEAD PARK
ILLINOIS

Dear Indian Head Park 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. The Village of Indian Head Park, in conjunction with the City of Countryside and the Chicago Water Department, is providing the required information pertaining to source water monitoring for the period of January 1, 2018 through December 31, 2018.

The Village of Indian Head Park has provided water meeting all the requirements of the United States Environmental Protection Agency and Illinois Environmental Protection Agency (IEPA) drinking water standards. The following reports are 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 detailed analysis provided by the City of Chicago to consult 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 customers.

Included in this report;

- Village of Indian Head Park Consumer Confidence Report 2018
- 2018 Water Source & Quality Report 2018 Testing Summary Table
- 2018 Violation Data
- 2018 City of Chicago CCR 2018 Water Quality Data
- 2018 Source Water Assessment

If there are any questions, or if additional information is needed, please contact John J. DuRocher, Village Administrator at the Village of Indian Head Park at (708) 246-3180.

Sincerely,

John DuRocher
Village Administrator

***Special Note: The following information applies only to residents who are directly served by Indian Head Park water supply not those served by the La Grange Highlands Sanitary District.**

VILLAGE OF INDIAN HEAD PARK'S CONSUMER CONFIDENCE REPORT
Public Water Supply for the Monitoring Year of 2018

Water Supply:

The Village of Indian Head Park purchased approximately 76.8 million gallons of Chicago water from the City of Countryside (who purchases it from the Village of McCook who purchases it from the City of Chicago) through a 12-inch supply main connected directly to the City of Countryside's distribution grid. This connection provides all the water required by the Village's local and retail customers. This water is received into a reservoir system and pumped to the Village's local and retail customer base. The water is sampled and chlorinated as required to maintain the quality as delivered by the City of Countryside. Chicago pumps water out of Lake Michigan, which is a surface water supply.

Water Quality:

The City of Chicago's Jardine Water Filtration Plant controls the water quality ultimately supplied to the Village of Indian Head Park. The Village provides additional chlorine as necessary to maintain the water quality delivered to its users. The CCR water quality data generated by the City of Chicago is included in this report for review by the water consumer.

Village Testing:

The Village of Indian Head Park tests the water supply for chlorine content on a daily basis to maintain the optimum levels for the consumers' needs. On a monthly basis, bacteriological samples are taken. On a yearly basis, samples are submitted for Total Trihalomethane (TTHM) Analysis and Haloacetic Acids (HAA) Analysis. Samples are also provided for lead and copper monitoring on a schedule established by the Illinois Environmental Protection Agency (IEPA). All testing and reports are performed according to the requirements of IEPA. A copy of the IEPA Water Quality Report for Indian Head Park is included later in this report.

Violations: None

Educational Information:

1) 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 (1-800-426-4791).

2) Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons, such as person 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 see advice about drinking water from their healthcare providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the EPA's Safe Drinking Water Hotline (1-800-426-4791).

3) Infants and young children are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing. If you are concerned about elevated levels in your home's water, you may wish to have your water tested, and flush your tap for 30 seconds to 2 minutes before using tap water. Additional information is available from the EPA's Safe Drinking Water Hotline (1-800-426-4791).

4) The Village of Indian Head Park follows the water conservation recommendations of the IEPA on sprinkling restrictions which state that no sprinkling may be done between the hours of 12 P.M. and 6 P.M. during the period of May 15 to September 15.

The following lawn care recommendations are supplied by the University of Minnesota:

- o Water deeply and infrequently. One inch of water per week is ideal.
- o Over watering wastes your money and also removes plant nutrients from the soil
- o Excess watering can cause disease problems in your lawn.

Sources of Contamination:

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.

Contaminants that can be present in sources 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 stormwater run-off, 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 stormwater run-off, and residential uses.

Organic Chemical Contaminants, including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and can come from gas stations, urban stormwater run-off 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, the EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

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 regular scheduled meetings. The source water assessment for our supply has been completed by the IEPA. If you would like a copy of this information, please stop by the Village Hall or call the Water Department at (708) 246-3154. To view a summary of the completed Source Water Assessments, including: Importance of Sources Water; Susceptibility to Contamination Determination; and documentation/recommendation of Source Water Protection Efforts, you may access the IEPA website at <http://www.epa.state.il.us/cgi-bin/wp/swap-fact-sheets.pl>. The IEPA 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 because of 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 because of the influx of ground water to the lake.

Additional Information:

For more information, contact Justin Fuller, Water Superintendent, of the Village of Indian Head Park at (708) 246-3080. The Village Board meets on the second Thursday of each month at 7:30 P.M. in the Board Room at the Municipal Facility, these meetings are open to the public.

About the Data:

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.

LEAD: Infants and young children are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels at your home may be higher than at other homes in the community as a result of the materials used in your home's plumbing system. If you are concerned about elevated lead levels in your home's water, you may wish to have your water tested. You may also flush your tap for 30 seconds to 2 minutes before using tap water. Additional information is available from the EPA's safe Drinking Water Hotline (1-800-426-4791).

SODIUM: There is not a state or federal MCL for sodium. Monitoring is required to provide information to consumers and health officials that are concerned about sodium intake because of dietary precautions. If the level is greater than 20 mg/l and you are on a sodium restricted diet, you should consult a physician.

2018 Water Quality Data City of Chicago

Definitions:

MCLG—Maximum Contaminant Level Goal, or 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. **MCL**—Maximum Contaminant Level, or the highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLG's as feasible using the best available treatment technology. **AL**—Action Level, or the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow. **TT**—Treatment Technique or a required process intended to reduce the level of a contaminant in drinking water.

Abbreviations: nd - not detectable at testing limits; n/a - not applicable; ppm - parts per million or milligrams per liter; ppb - parts per billion or micrograms per liter; ppt - parts per trillion or nanograms per liter; ppq - parts per quadrillion or picograms per liter; NTU - Nephelometric Turbidity Unit, used to measure cloudiness in drinking water;

%<0.3 NTU - percent samples less than 0.3 NTU; **MFL** - million fibers per liter, used to measure asbestos concentration; **mrem/yr** - millirems per year, used to measure radiation absorbed by the body; **pCi/l** - picocuries per liter, used to measure radioactivity.

#pos/mo - number of positive samples per month; **% pos/mo** - percent positive samples per month.

In most cases, the "Level Found" column represents an average of sample result data collected during the CCR calendar year. The "Range of Detection's" column represents a range of individual sample results, from lowest to highest that were collected during the CCR calendar year. If a date appears in the "Date of Sample" column, the IEPA 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 CCR calendar year.

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.	0.4		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)	90th Percentile	# Sites Over AL	Units	Violation	Likely Source of Contamination
Copper	2018	1.3	1.3	0.091	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2018	0	15	9.1	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

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 safe

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.
parts per million - or one ounce in 7,350 gallons of water.

ppm: milligrams per liter or

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	12/31/2018	1	1 - 1	MRDLG = 4	MRDL = 4	ppm	N	Water additive used to control microbes.
Haloacetic Acids (HAA5)	2018	13	5.5 - 19.7	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2018	26	11.4 - 36.7	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
Barium	2018	0.0214	0.0203 - 0.0214	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	2018	0.6	0.601 - 0.617	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]	2018	0.416	0.314 - 0.416	10	10	ppm	N	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.
Sodium	2018	9	8.14 - 8.89			ppm	N	Erosion from naturally occurring deposits. Used in water softener regeneration.
Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Combined Radium 226/228	02/11/2014	0.84	0.5 - 0.84	0	5	pCi/L	N	Erosion of natural deposits.
Gross alpha excluding radon and uranium	02/11/2014	6.6	6.1 - 6.6	0	15	pCi/L	N	Erosion of natural deposits.

2018 Water Quality Data

The Village of Indian Head Park

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Disinfectants and Disinfection By-Products	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Chlorine	12/31/2018	1	0.8 - 1.3	MRDLG = 4	MRDL = 4	ppm	N	Water additive used to control microbes.
Haloacetic Acids (HAA5)	2018	14	13.6 - 13.6	No goal for the total	60	ppb	N	By-product of drinking water disinfection.
Total Trihalomethanes (TTHM)	2018	50	50.4 - 50.4	No goal for the total	80	ppb	N	By-product of drinking water disinfection.
Inorganic Contaminant	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Arsenic	11/28/2016	2.15	1.83 - 2.15	0	10	ppb	N	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.
Barium	11/28/2016	0.0533	0.0464 - 0.0533	2	2	ppm	N	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
Fluoride	11/28/2016	0.27	0.221 - 0.27	4	4.0	ppm	N	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
Iron	11/28/2016	1.18	1.05 - 1.18		1.0	ppm	N	This contaminant is not currently regulated by the USEPA. However, the state regulates. Erosion of natural deposits.
Manganese	11/28/2016	42.7	40 - 42.7	150	150	ppb	N	This contaminant is not currently regulated by the USEPA. However, the state regulates. Erosion of natural deposits.
Sodium	11/28/2016	96.2	84.6 - 96.2			ppm	N	Erosion from naturally occurring deposits. Used in water softener regeneration.
Radioactive Contaminants	Collection Date	Highest Level Detected	Range of Levels Detected	MCLG	MCL	Units	Violation	Likely Source of Contamination
Combined Radium 226/228	11/28/2016	4.6	4.6 - 4.6	0	5	pCi/L	N	Erosion of natural deposits.