

# Consumer Confidence Report

## Annual Drinking Water Quality Report

HOOPERSTON

IL1830450

Annual Water Quality Report for the period of January 1 to December 31, 2017

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.

The source of drinking water used by HOOPERSTON is Ground Water

For more information regarding this report contact:

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Este Informe contiene información muy importante sobre el agua que usted bebe. Tradúzcalo o hable con alguien que lo entienda bien.

Source of Drinking Water
<p>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.</p> <p>Contaminants that may be present in source water include:</p> <ul style="list-style-type: none"> <li>- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.</li> <li>- 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.</li> <li>- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.</li> <li>- 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.</li> <li>- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.</li> </ul>

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 ensure that tap water is safe to drink, EPA 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.

Some people may be more vulnerable to contaminants in drinking water than the general population.

Immuno-compromised persons such as persons 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 seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

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 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 or at <http://www.epa.gov/safewater/lead>.



Source Water Information

Source Water Name	Type of Water	Report Status	Location
WELL 4 (45262)	GW		
WEST OF OLD PLANT, NEAR			
WELL 5 (45263)	GW		
AT BASE OF ELEVATED TANK			
WELL 6 (45264)	GW		
SOUTH OF 0.5 MG REACTION			

## 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 at **217-283-5312**. 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>.

Source of Water: HOOPERSTON To determine Hooperton's susceptibility to groundwater contamination, a Well Site Survey, published in 1990 by the Illinois EPA, and the Source Water Protection Program completed by the City of Hooperton, were reviewed. Based on the information contained in these documents, fourteen potential sources of groundwater contamination are present that could pose a hazard to groundwater pumped by the Hooperton community water supply wells. These include one unidentified drum storage, one above ground storage, one de-icing agent unit, one manufacturing process unit, one waste pile, one inactive well (which is now reported to be properly abandoned), two restaurant/food services, and six below ground fuel storages. The community water supply indicated the following regarding the potential sources identified through the Illinois EPA's Well Site Survey and Hazard Review Programs: the below ground storage tanks of #07339, #07341, #07342, and #07345 have been removed. The community water supply indicated that the salt storage (#07343) has been moved, and also confirmed that the inactive well (#07344) has been properly abandoned. The Illinois EPA has determined that Hooperton Wells #4, #5, and #6 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 point to the distribution system; and the available hydrogeologic data for the wells.

## 2017 Regulated Contaminants Detected

### 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.

Contaminant	Date Sampled	MCLG	Action Level (AL)	90th Percentile	# Sites Over AL	Units	Violation	Notes
Copper	2017	1.3	1.3	1	0	ppm	N	Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems.
Lead	2017	0	15	1.1	0	ppb	N	Corrosion of household plumbing systems; Erosion of natural deposits.

### Water Quality Test Results

**Definitions:**

**Avg:** The following tables contain scientific terms and measures, some of which may require explanation. 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.

**Water Quality Test Results**

ppm:

Treatment Technique or TM:

milligrams per liter or parts per million - or one ounce in 7,350 gallons of water.  
A required process intended to reduce the level of a contaminant in drinking water.

**Regulated Contaminants**

Disinfectants and Disinfection By-Products	Chlorine	Halocetic Acids (HAA5)	Total Trihalomethanes (THM)	Inorganic Contaminants	Arsenic	Barium	Fluoride	Iron	Manganese	Nitrate [measured as Nitrogen]	Sodium	Zinc	Radioactive Contaminants	Combined Radium 226/228
Collection Date	Collection Date	Collection Date	Collection Date	Collection Date	Collection Date	Collection Date	Collection Date	Collection Date	Collection Date	Collection Date	Collection Date	Collection Date	Collection Date	Collection Date
Highest Level Detected	Highest Level Detected	Highest Level Detected	Highest Level Detected	Highest Level Detected	Highest Level Detected	Highest Level Detected	Highest Level Detected	Highest Level Detected	Highest Level Detected	Highest Level Detected	Highest Level Detected	Highest Level Detected	Highest Level Detected	Highest Level Detected
Range of Levels Detected	Range of Levels Detected	Range of Levels Detected	Range of Levels Detected	Range of Levels Detected	Range of Levels Detected	Range of Levels Detected	Range of Levels Detected	Range of Levels Detected	Range of Levels Detected	Range of Levels Detected	Range of Levels Detected	Range of Levels Detected	Range of Levels Detected	Range of Levels Detected
MCLG	MCLG	MCLG	MCLG	MCLG	MCLG	MCLG	MCLG	MCLG	MCLG	MCLG	MCLG	MCLG	MCLG	MCLG
MCL	MCL	MCL	MCL	MCL	MCL	MCL	MCL	MCL	MCL	MCL	MCL	MCL	MCL	MCL
Units	Units	Units	Units	Units	Units	Units	Units	Units	Units	Units	Units	Units	Units	Units
Violation	Violation	Violation	Violation	Violation	Violation	Violation	Violation	Violation	Violation	Violation	Violation	Violation	Violation	Violation
Likely Source of Contamination	Likely Source of Contamination	Likely Source of Contamination	Likely Source of Contamination	Likely Source of Contamination	Likely Source of Contamination	Likely Source of Contamination	Likely Source of Contamination	Likely Source of Contamination	Likely Source of Contamination	Likely Source of Contamination	Likely Source of Contamination	Likely Source of Contamination	Likely Source of Contamination	Likely Source of Contamination
	0.3	3	1		2.6	0.068	0.973	0.09	20	0.08	21	0.009		0.712
	12/31/2017	2017	2017	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	07/07/2015	2017	07/07/2015	07/07/2015		01/15/2014
	0.3 - 0.4	3.42 - 3.42	1.25 - 1.25	2.6 - 2.6	0.068 - 0.068	0.068 - 0.068	0.973 - 0.973	0.09 - 0.09	20 - 20	0.08 - 0.08	21 - 21	0.009 - 0.009		0.712 - 0.712
	MCLG = 4	No goal for the total	No goal for the total	MCLG	0	2	4	150	150	10	5	5		0
	MCL = 4	60	80	MCL	10	2	4.0	1.0	150	10	5	5		5
	ppm	ppb	ppb	Units	ppb	ppm	ppm	ppm	ppb	ppm	ppm	ppm		pCi/L
	N	N	N	Violation	N	N	N	N	N	N	N	N		N
	Water additive used to control microbes.	By-product of drinking water disinfection.	By-product of drinking water disinfection.	Likely Source of Contamination	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes.	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.	This contaminant is not currently regulated by the USEPA. However, the state regulates. Erosion of natural deposits.	This contaminant is not currently regulated by the USEPA. However, the state regulates. Erosion of natural deposits.	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.	Erosion from naturally occurring deposits. Used in water softener regeneration.	This contaminant is not currently regulated by the USEPA. However, the state regulates. Naturally occurring; discharge from metal	Likely Source of Contamination	Erosion of natural deposits.

Gross alpha excluding radon and uranium	01/15/2014	1.12	1.12 - 1.12	0	15	pCi/L	N	Erosion of natural deposits.
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The City of Hoopeston has available upon request this years Consumer Confidence Report (CCR). The CCR includes basic information on the source(s) of your drinking water, the levels of any contaminants that were detected in the water during 2017 and compliance with other drinking water rules as well as some educational materials. To obtain a free copy of the report please call the water office at 217-283-5631, you may pick one up at the City Water Office 301 W. Main St. Hoopeston Il. or the cityofhoopeston.com web site. For opportunities for public participation in decision making processed that affect drinking water quality you may attend the City's regularly scheduled City Council meeting held on the first and third Tuesday of every month at 7:00p.m. Located in the City Council Chamber at 301 W. Main St. Hoopeston Il.