

Town of Rockford Water Quality Report 2017



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Brian Laude

Town Hall Staff:

Clerk/Treas.: Heidi Johnson

Deputy Clerk: Jen Fricke

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Dave Thompson

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Paul Sifford

The Town of Rockford is pleased to present this year's Annual Water Quality Report. This report is a description of the water that we provided last year. Our constant goal is to provide you with a safe and dependable supply of drinking water. Included are details about where your water comes from, what it contains, and how it compares to Environmental Protection Agency (EPA) and state standards. We are committed to providing you with information because informed customers are our best allies.

We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. The Town of Rockford is supplied by the aquifer. Well #5 is located at the ballpark off 1st Street. This well was drilled in 1992 to a depth of 265 feet and was rated over 400 gallons per minute at the time it was completed. Well #6 located on North Street, was drilled in 2016 to a depth of 317 ft and was test pumped at 340 gallons per minute, with minimal draw down in the well.

We overlooked our September VOC quarterly test on Well #6. All preceding tests have come back normal.

We are pleased to report that our drinking water is safe and meets federal and state requirements.

This report shows our water quality and what it means.

If you have any questions about this report or concerning your water, please contact the Rockford Town Hall at 291-4716, or attend a Town Council meeting, held the first and third Wednesday of each month at 7:00 p.m. at Rockford Town Hall.

We're proud to announce that your drinking water meets or exceeds all Federal and State requirements. We have learned through our monitoring and testing that some constituents have been detected. The EPA has determined that your water is **SAFE** at these levels.

MCL's are set at very stringent levels to understand the possible health effects described for many regulated constituents.

The Town of Rockford routinely monitors for constituents in your drinking water according to Federal and State laws. This table shows the results of our monitoring for the period of January 1st through December 31st, 2017. All drinking water, including bottled drinking water may contain at least small amounts of some constituents. It's important to remember that the presence of these constituents does not necessarily pose a health risk.

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).

Terms and abbreviations used in chart:

- **Trigger Level:** DOH Drinking Water response level. Systems with compounds detected at concentrations in excess of this level are required to take additional samples. Contact your regional DOH office for further information.
- **Maximum Contaminant Level (MCL):** If the contaminant amount exceeds the MCL, immediately contact your regional DOH office.
- **ND (Not Detected):** in the results column indicates this compound was analyzed and not detected at a level greater than or equal to the SRL.
- **n/a:** not applicable, **NT:** not tested this reporting year, **PPM:** parts per million or milligrams per liter, **PPB:** parts per billion or micrograms per liter, **pC/I:** picocuries per liter (a measure of radiation).

TEST RESULTS						
Contaminant	Violation	Level	Unit	Trigger	MCL	Likely Source Of Contamination
	Y/N	Detected	Measurement	Level		
Microbiological Contaminants						
1. Total Coliform Bacteria	No	0		0	Presence of coliform bacteria in a monthly sample.	Naturally present in the environment
2. Fecal Coliform and E.Coli	NT			0	A routine sample and repeat sample are total coliform positive and one is also fecal coliform or E.coli positive	Human and animal fecal waste
3. Turbidity	NT		NTU	1	1	Soil runoff
Radioactive Contaminants						
4. Beta/photon Emitters	NT			0	4	Decay of natural and man-made deposits
5. Gross Alpha	NT		pCi/l	5.0	–	Erosion of natural deposits
6. Combined Radium	NT		pCi/l	0	5	Erosion of natural deposits
Inorganic Contaminants						
7. Antimony	NT		mg/l	.006	.006	Discharge from petroleum refineries, fire retardants, ceramics, electronics, solder
8. Arsenic	NT		mg/l	.05	.01	Erosion of natural deposits, runoff from orchards, runoff from glass and electronics production wastes
9. Asbestos	NT		ppb	7	7	Decay of asbestos cement water mains, erosion of natural deposits
10. Barium	NT		mg/l	2	2	Discharge of drilling wastes, discharge from metal refineries, erosion of natural deposits
11. Beryllium	NT		mg/l	.004	.004	Discharge from metal refineries and coal-burning factories, discharge from electrical, aerospace, and defense industries
12. Manganese	NT		mg/l	.005	.05	Exists as a mineral and is mined as an ore.
13. Magnesium	NT		mg/l	Srl= 0.1		Is the eighth most abundant element in the earth's crust, imparts a bitter taste and is found in deep wells.
14. Copper	NT		mg/l	Srl=.02	AL=1.3	Corrosion of household plumbing systems, erosion of natural deposits, leaching from wood preservatives
15. Iron	NT		mg/l	.3	.3	Naturally occurring in water tables that are high in basalt.
16. Fluoride	NT		mg/l	2	4	Erosion of natural deposits, water additive which promotes strong teeth, discharge from fertilizer and aluminum factories
17. Lead	NT		mg/l	Srl=.001	AL=.015	Corrosion of household plumbing systems, erosion of natural deposits
18. Mercury (inorganic)	NT		mg/l	.002	.002	Erosion of natural deposits, discharge from refineries and factories, runoff from landfills, runoff from cropland
19. Nitrate (as Nitrogen)	No	<0.5	mg/l	5.0	10	Runoff from fertilizer use, leaching from septic tanks, sewage, erosion of natural deposits.
20. Nitrite (as Nitrogen)	NT		mg/l	.5	1	See Above
21. Selenium	NT		mg/l	.05	.05	Discharge from petroleum and metal refineries, erosion of natural deposits, discharge from mines.
22. Thallium	NT		mg/l	.002	.002	Leaching from ore processing sites, discharge from electronics, glass, and drug factories.
23. TTHM	No	.68	ug/L	60	80	Disinfection by-product, the chemical break down of CL2.
24. HAA5	No	.38	ug/L	45	60	See above.
25. Volatile Organic Compounds	No	2.73	UG/L	0.5	5	Chlorides Theylens Benzens Oethane's Panes Toulene Styrene