

SOURCE WATER ASSESSMENT

Oskaloosa's supply of water includes eleven 50-foot deep alluvial wells located on the south Skunk River approximately three miles north of Oskaloosa. An assessment of the South Skunk River watershed, which can influence the Oskaloosa Water Department's wells, was completed in 2002 the assessment identifies and prioritizes potential sources of contaminants in the South Skunk watershed. These potential sources include, but are not limited to: soil erosion, chemicals such as fertilizers and pesticides, animal agriculture, wastewater treatment facilities, including septic systems, and petroleum products. To view the Source Water assessment in our office, contact Chad Coon at (641) 673-8476.



Oskaloosa Municipal Water Department
1208 South 7th Street
Oskaloosa, Iowa 52577
Forwarding Service Requested

Presorted
First-Class Mail
U.S. Postage Paid
Oskaloosa, IA
Permit No. 475

2015 Consumer Confidence Report

Water quality is our primary commitment at Oskaloosa Water Department. We believe that the best way to assure you that your drinking water is safe is to provide you with accurate facts.

The information in this Consumer Confidence Report summarizes the results of our water monitoring program as required by the Environmental Protection Agency (EPA) during 2014. Many of the analyses are required by the Safe Drinking Water Act and other regulations. However, we monitor for contaminants above and beyond the basic requirements. If you have questions about the information in this report please contact us at (641) 673-8476

We are dedicated to providing you, the customer, with the safest and most dependable supply of drinking water available.



QUALITY TAP WATER

For more information on this Consumer Confidence Report or other water quality concerns, please contact:

Oskaloosa Municipal Water Department

Chad Coon
1208 South 7th Street
PO Box 708
Oskaloosa, Iowa 52577
Phone: (641) 673-8476
Fax: (641) 673-4692
E-mail: oskyh2o@oskaloosawater.org

Public meeting information:

Oskaloosa Municipal Water Department Board of Trustees meets at 4:00 p.m. on the third Monday of the month. Board meetings are open to the public.

Oskaloosa Municipal Water Department

1208 South 7th Street
Oskaloosa, Iowa 52577
Phone: (641) 673-8476



DRINKING WATER AND HEALTH INFORMATION FROM THE EPA

In order to ensure that tap water is safe to drink, the Environmental Protection Agency (EPA) prescribes regulations which limit the amount of certain contaminants in water provided by public water systems.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons, 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 from their health care providers about drinking water. The EPA and Centers for Disease Control guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline.

Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask for advice from your health care provider.

Many customers wish to know if bottled water is safer than regular tap water. The Food and Drug Administration (FDA) establishes limits for contaminants in bottled water that must provide the same protection for public health. Any bottled water labeled "drinking water" has to meet EPA's drinking water regulations. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of a contaminant does not necessarily indicate that water poses a health risk.

More information about contaminants and potential health effects can be obtained by contacting the EPA's Safe Drinking Water Hotline.

EPA Safe Drinking Water Hotline

1-800-426-4791

<http://water.epa.gov/drink>

AWWA Safe Drinking Water Website

www.drinktap.org

2014 Water Quality Results—Oskaloosa Municipal Water Department

SUBSTANCE	YEAR TESTED	VIOLATION YES/NO	HIGHEST LEVEL ALLOWED (MCL)	HIGHEST DETECTED LEVEL	UTILITY RANGE	EPA MCLG (EPA GOAL)	SOURCES OF CONTAMINANT	
MICROBIAL CONTAMINANTS								
Total Coliform	Mar-14	No	>5%	1 Sample positive	1 Sample positive	0%	Naturally present in the environment	
E-Coli	Mar-14	No	>5%	1 Sample positive	1 Sample positive	0%	Human and animal fecal waste	
Turbidity (NTU)			0.3		0.05-0.45	N/A	Soil runoff	
INORGANIC CHEMICALS								
Fluoride (ppm)	Jul-13	No	4	0.22	0.22	4	Additive to promote strong teeth; discharge from fertilizer and aluminum factories; erosion of natural deposits	
ORGANIC CONTAMINANTS								
Total Trihalomethane [TTHM] (ppb)	Dec-14	No	80	49 LRAA	32-65	N/A	Byproduct of treatment process	
Total Haloacetic Acids [HAA5] (ppb)	Dec-14	No	60	10 LRAA	7-16	N/A	Byproduct of treatment process	
UNREGULATED CONTAMINANTS								
Sodium (ppm)	Jul-14	No	N/A	16	16	N/A	Erosion of natural deposits; added to water during treatment process	
DISINFECTANT								
Chlorine (mg/l)	Mar-14	No	4	1.4 RAA	0.38-1.94	4	Byproduct of drinking water disinfection	
SOURCE WATER								
		VIOLATION YES/NO	% REMOVAL RANGE		%REMOVAL REQUIRED		SOURCES OF CONTAMINANT	
TOTAL ORGANIC CARBON								
Skunk River Alluvial Wells	Dec-14	Yes (1)	36.13		15%		Naturally present in the environment	
SUBSTANCE								
		YEAR TESTED	VIOLATION YES/NO	ACTION LEVEL	MAXIMUM 90% DETECTION	UTILITY RANGE	# SAMPLES ABOVE ACTION LEVEL	SOURCES OF CONTAMINANT
COPPER AND LEAD at Customer Tap								
Copper (ppm)	2013	No	1.3	0.04	ND-0.07	0	Corrosion of home plumbing; erosion of natural deposits	
Lead (ppb)	2013	No	15	2	ND-4	0	Corrosion of home plumbing; erosion of natural deposits	

NOTE: The EPA requires monitoring of over 80 drinking water contaminants. Those listed in the report are the only contaminants detected in your drinking water. For a complete list contact the Oskaloosa Oskaloosa Municipal Water Department. (1) In December 2014 we failed to monitor for Total Organic Carbon (TOC). Adverse health effects, if any, are not known. Monitoring procedures have been corrected to avoid future violations.

UNREGULATED CONTAMINANTS

The Environmental Protection Agency developed an unregulated contaminant monitoring program to better understand the existence of contaminants in the environment that are not regulated by the National Primary Drinking Water Regulations. These are known or anticipated to occur at public water systems and may warrant regulations under the Safe Drinking Water Act. In 2014, Oskaloosa Municipal Water Department was required to test for 30 unregulated contaminants. For More information, please contact Oskaloosa Municipal Water Department at (641) 673-8476.

ANALYTE	UNIT	MAXIMUM	
		VALUE	RANGE
Chromium	ppb	2.8	1.80-2.80
Hexavalent Chromium	ppb	2.56	1.80-2.56
Molybdenum	ppb	1.60	1.10-1.60
Strontium	ppb	85.3	64.0-85.3
Vanadium	ppb	3.4	<0.200-3.40

Definitions

Action Level (AL) » The concentration of a contaminant that, if exceeded, triggers a treatment or other requirement that a water system must follow.

Inorganic Contaminant » Such as salts and metals, which can occur naturally or come from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming.

Maximum Contaminant Level (MCL) » The highest level of a contaminant allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) » The level of a contaminant in drinking water below which there is no known or expected risk to health.

Maximum Residual Disinfectant Level (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 (MRDLG) » The level of a drinking 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.

Microbiological Contaminants » Very small organisms, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife

N/A » Not applicable

nD » Not detected at testing limit.

ntu » Nephelometric turbidity Units

Organic Contaminants » Includes synthetic and volatile organic chemicals, which are industrial and petroleum process byproducts and can also come from gas stations, urban storm water runoff and septic systems.

pCi/l » Picocuries per liter

ppb » Parts of contaminant per billion parts of water. One part per billion (ppb) is equivalent to a single penny in ten million dollars. Ppb may also be referred to as **ug/l** or micrograms per liter.

ppm » Parts of contaminant per million parts of water. One part per million (ppm) is equivalent to a single penny in ten thousand dollars. Ppm may also be referred to as **mg/l** or milligrams per liter.

Pesticides and Herbicides » May come from agriculture, urban storm water runoff and residential use.

RAA » Running Annual Average.

Radioactive Contaminants » Occur naturally or result from oil and gas production and mining activities.

TOC » Total organic carbon in untreated water.

Treatment Technique (TT) » A required process intended to reduce the level of contaminant in drinking water.

Chlorine Disinfectant » The most common drinking water treatment is disinfection. Disinfection is considered to be the primary mechanism to kill bacteria and other germs to prevent the spread of waterborne diseases. Chlorine is the most widely used disinfectant. Disinfectants combine with organic and inorganic matter present in water to form chemicals called disinfection byproducts. EPA sets standards for controlling the levels of disinfectants and disinfection byproducts in drinking water. The water quality chart in this report reflects these standards and the utility's ability to meet those standards.

Fluoride » Some fluoride is naturally present in the source water. The amount is carefully monitored every day so optimum concentration is maintained. If you have concerns about fluoride, you should discuss this topic with your dentist and doctor.

Turbidity » turbidity is an indicator of treatment filter performance and is regulated as a treatment technique.

Lead » 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 compounds associated with service lines and home plumbing. City of Boone Water Works is responsible for providing high quality drinking water, but 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 methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at www.epa.gov/safewater/lead.

Total Trihalomethanes (TTHMs) » Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous system and may have an increased risk of getting cancer.

Unregulated Contaminants » EPA requires systems of our size to take samples in an assessment monitoring phase for Unregulated Contaminant Monitoring Regulations (UCMR). There were no detectable levels in our drinking water. For more information about unregulated contaminants, please contact:

Oskaloosa Municipal Water Department
(641) 673-8476.

