

2015 Consumer Confidence Report Data

BUTLER WATERWORKS, PWS ID: 26801918

Water System Information

If you would like to know more about the information contained in this report, please contact Jim Bremberger at (414) 333-2436.

Opportunity for input on decisions affecting your water quality

First and Third Tuesdays of every month at 7:00 pm, September through May. In June, July, and August, the Village Board meets on the Third Tuesday of the month at 7:00 pm. All meets are held in the Village Board Room at Village Hall, 12621 W. Hampton Ave, Butler, WI 53007.

Health Information

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 Environmental Protection Agency's safe drinking water hotline (800-426-4791).

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 systems 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 Environmental Protection Agency's safe drinking water hotline (800-426-4791).

Source(s) of Water

Source ID	Source	Depth (in feet)	Status
2	Purchased Surface Water		Active

Purchased Water

PWS ID	PWS Name
24101000	MILWAUKEE WATERWORKS

To obtain a summary of the source water assessment please contact, Jim Bremberger at (414) 333-2436.

Educational Information

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 may be present in source 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 runoff, 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 runoff and residential uses.
- 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 stormwater runoff 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, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water, which shall provide the same protection for public health.

Definitions

Term	Definition
AL	Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.
MCL	Maximum Contaminant Level: 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.

Term	Definition
MCLG	Maximum Contaminant Level Goal: 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.
MFL	million fibers per liter
MRDL	Maximum residual disinfectant level: 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.
MRDLG	Maximum residual disinfectant level goal: 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.
mrem/year	millirems per year (a measure of radiation absorbed by the body)
NTU	Nephelometric Turbidity Units
pCi/l	picocuries per liter (a measure of radioactivity)
ppm	parts per million, or milligrams per liter (mg/l)
ppb	parts per billion, or micrograms per liter (ug/l)
ppt	parts per trillion, or nanograms per liter
ppq	parts per quadrillion, or picograms per liter
TCR	Total Coliform Rule
TT	Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.

Detected Contaminants

Your water was tested for many contaminants last year. We are allowed to monitor for some contaminants less frequently than once a year. The following tables list only those contaminants which were detected in your water. If a contaminant was detected last year, it will appear in the following tables without a sample date. If the contaminant was not monitored last year, but was detected within the last 5 years, it will appear in the tables below along with the sample date.

Disinfection Byproducts

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2015)	Violation	Typical Source of Contaminant
HAA5 (ppb)	B	60	60	6	2 - 7		No	By-product of drinking water chlorination
TTHM (ppb)	G	80	0	10.4	6.8 - 10.4		No	By-product of drinking water

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2015)	Violation	Typical Source of Contaminant
								chlorination

Inorganic Contaminants

Contaminant (units)	Action Level	MCLG	90th Percentile Level Found	# of Results	Sample Date (if prior to 2015)	Violation	Typical Source of Contaminant
COPPER (ppm)	AL=1.3	1.3	0.0830	0 of 10 results were above the action level.	8/14/2014	No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
LEAD (ppb)	AL=15	0	0.44	0 of 10 results were above the action level.	8/14/2014	No	Corrosion of household plumbing systems; Erosion of natural deposits

Additional Health Information

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. Butler Waterworks 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, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at www.epa.gov/safewater/lead.

Purchased Water

Our water system purchases water from MILWAUKEE WATERWORKS. In addition to the detected contaminants listed above, these are the results from MILWAUKEE WATERWORKS.

The table below shows the regulated contaminants detected in Milwaukee's drinking water during 2015. It also includes any detected contaminants found in the recently completed (2013) Unregulated Contaminant Monitoring Rule – Phase 3 (UCMR-3) mandatory monitoring program. All contaminant levels are within applicable state and federal laws. The table contains the name of each contaminant, the highest level regulated (Maximum Contaminant Level, or MCL), the ideal goals for public health (Maximum Contaminant Level Goal, or MCLG), the median value detected, the usual sources of such contamination, and footnotes explaining the findings and units of measurement. The presence of a substance in drinking water does not necessarily indicate the water poses a health risk. Certain quantities of some substances are essential to good health, but excessive quantities can be hazardous.

Substance	Ideal Goals (MCLG)	Highest Level Allowed (MCL)	Median Value	Highest Level Detected	Source(s) of Contaminant	Meets Standard
Aluminum	0.2 mg/L	NR	0.046 mg/L	0.117 mg/L	Water treatment additive; Natural deposits	NR
Barium	2 mg/L	2 mg/L	0.018 mg/L	0.018 mg/L	Natural deposits	√
Bromate	10 mg/L	10 mg/L (RAA)	< 3 mg/L (RAA)	5.4 mg/L	Byproduct of drinking water disinfection	√
Bromochloroacetic acid	NA	Regulated as a group (HAA5)	< 1 mg/L	2.0 mg/L	Byproduct of drinking water disinfection	√
Bromodichloroacetic acid	NA	Regulated as a group (HAA5)	1.2 mg/L	1.8 mg/L	Byproduct of drinking water disinfection	√

Substance	Ideal Goals (MCLG)	Highest Level Allowed (MCL)	Median Value	Highest Level Detected	Source(s) of Contaminant	Meets Standard
Bromodichloro-methane	NA	Regulated as a group (TTHMs)	3.0 mg/L	4.0 mg/L	Byproduct of drinking water disinfection	√
Chlorate**	NA	NR	68 mg/L	195 mg/L	Byproduct of drinking water disinfection	NR
Chloride	250 mg/L	NR	13.5 mg/L	14.0 mg/L	Natural deposits and road salt	NR
Chlorine, total	4 mg/L	4 mg/L	1.48 mg/L	2.03 mg/L	Residual of drinking water disinfection	√
Chlorite	0.8 mg/L	1.0 mg/L	0.002 mg/L	0.0099 mg/L	Byproduct of drinking water disinfection	√
Chloroform	NA	Regulated as a group (TTHMs)	2.0 mg/L	3.0 mg/L	Byproduct of drinking water disinfection	√
Chromium, Hexavalent**	NA	NR	0.20 mg/L	0.25 mg/L	Natural deposits and manufacturing	NR
Chromium, Total**	NA	100 mg/L	0.3 mg/L	0.3 mg/L	Natural deposits and manufacturing	√

Substance	Ideal Goals (MCLG)	Highest Level Allowed (MCL)	Median Value	Highest Level Detected	Source(s) of Contaminant	Meets Standard
Copper	1.3 mg/L	1.3 mg/L (AL)	0.041 mg/L (AL)	NR	Corrosion of household plumbing systems	√
Dibromodichloromethane	NA	Regulated as a group (TTHMs)	2.0 µg/L	3.0 µg/L	Byproduct of drinking water disinfection	√
Dichloroacetic acid	NA	Regulated as a group (HAA5)	1.0 µg/L	2.0 µg/L	Byproduct of drinking water disinfection	√
Fluoride	4 mg/L	4 mg/L	0.54 mg/L	0.60 mg/L	Water treatment additive; natural deposits	√
Gross Alpha particles	Zero	15 pCi/L	1.86 pCi/L	3.42 pCi/L	Natural deposits	√
Gross Beta particles	Zero	50 pCi/L	3.9 pCi/L	4.0 pCi/L	Natural deposits	√
Haloacetic Acids, total	NA	60 µg/L	2.0 µg/L	8.0 µg/L	Byproduct of drinking water disinfection	√
Heterotrophic Plate Count Bacteria	NA	TT	Met Requirement	Met Requirement	Naturally present in the environment	√
Iron	0.30 mg/L	NR	0.004 mg/L	0.038 mg/L	Natural deposits	NR

Substance	Ideal Goals (MCLG)	Highest Level Allowed (MCL)	Median Value	Highest Level Detected	Source(s) of Contaminant	Meets Standard
Lead	Zero	15 µg/L (AL)	10.0 µg/L (AL)	NR	Corrosion of household plumbing systems	√
Molybdenum**	NA	NR	1.0 µg/L	1.1 µg/L	Natural deposits	NR
Nitrate, as N	10.0 mg/L	10.0 mg/L	0.30 mg/L	0.30 mg/L	Natural deposits and farm run-off	√
Perchlorate (UCMR -1 Contaminant)	NA	Regulation Pending	0.10 µg/L	0.10 µg/L	Byproduct of drinking water disinfection	NR
pH	NA	6.5 to 8.5	7.63	7.88	Naturally present in the environment	√
Radium, combined 226 + 228	Zero	5 pCi/L	1.20 pCi/L	1.51 pCi/L	Natural deposits	√
Strontium**	NA	NR	120 µg/L	120 µg/L	Natural deposits	NR
Sulfate	500 mg/L	NR	28.7 mg/L	32.8 mg/L	Natural deposits	NR
Total Dissolved Solids	500	NR	179 mg/L	206 mg/L	Natural deposits	NR
Trichloroacetic acid	NA	Regulated as a group (HAA5)	< 0.5 µg/L	1.0 µg/L	Byproduct of drinking water disinfection	√
Trihalomethanes,	NA	80 µg/L	7.0 µg/L	10.0 µg/L	Byproduct of	√

Substance	Ideal Goals (MCLG)	Highest Level Allowed (MCL)	Median Value	Highest Level Detected	Source(s) of Contaminant	Meets Standard
total					drinking water disinfection	
Turbidity	NA	<0.3 NTU 95% of the time	0.03 NTU 95% of the time	0.21 NTU 1-day max	Natural deposits	√
Uranium, total	Zero	30 µg/L	0.23 µg/L	0.25 µg/L	Natural deposits	√
Vanadium**	NA	NR	0.3µg/L	0.3 µg/L	Natural deposits	NR

** Data from 2013, the most recent UCMR sampling period.

Other Compliance

Noncompliance with Recordkeeping and Compliance Data

Both Butler Waterworks and Milwaukee Waterworks are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards. Between 02/18/2015 and 02/28/2015, MILWAUKEE WATERWORKS did not monitor for disinfection byproduct contaminants, and therefore cannot be sure of the quality of your drinking water during that time.