

## 2019 Consumer Confidence Report Data ALLOUEZ WATERWORKS, PWS ID: 40504552

### Water System Information

If you would like to know more about the information contained in this report or you would like a copy of the source water assessment, please contact Michael Mahloch at (920) 448-2808.

### Opportunity for input on decisions affecting your water quality

Village Board meetings are the 1st and 3rd Tuesdays of each month at 6:30 p.m. Meetings are located at 1900 Libal Street Green Bay, WI 54301 in the Village Board Room.

### 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
Well #4	Groundwater	870'	Emergency
Well #7	Groundwater	946'	Emergency
82	Purchased Surface Water	n/a	Active

### Purchased Water

PWS ID	PWS Name
43602878	Central Brown County Water Authority
43603648	Manitowoc Waterworks

### 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.
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.
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)

### Detected Contaminants in the Distribution System

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 2019)	Violation	Typical Source of Contaminant
HAA5 (ppb)	D-2	60	60	26.3	20-37		No	By-product of drinking water chlorination
TTHM (ppb)	D-2	80	0	46.5	37-62		No	By-product of drinking water chlorination
HAA5 (ppb)	D-4	60	60	21.3	5-31		No	By-product of drinking water chlorination
TTHM (ppb)	D-4	80	0	61.3	52-70		No	By-product of drinking water chlorination
HAA5 (ppb)	D-11	60	60	22	18-23		No	By-product of drinking water chlorination
TTHM (ppb)	D-11	80	0	39.3	29-56		No	By-product of drinking water chlorination
HAA5 (ppb)	D-13	60	60	23	18-31		No	By-product of drinking water chlorination
TTHM (ppb)	D-13	80	0	39.3	33-48		No	By-product of drinking water chlorination

### Inorganics

Contaminant (units)	Action Level	MCLG	90th Percentile Level Found	# of Results	Sample Date (if prior to 2019)	Violation	Typical Source of Contaminant
COPPER (ppm)	AL=1.3	1.3	0.28 (ppm)	0 of 30 results were above the action level.	08/15/2017	No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
LEAD (ppb)	AL=15	0	3.5 (ppb)	0 of 30 results were above the action level.	08/15/2017	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. Alouez 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](http://www.epa.gov/safewater/lead).

### Detected Contaminants from Purchased Water

Our water system purchases water from Manitowoc Public Utilities through the Central Brown County Water Authority. In addition to the detected contaminants listed above, these are the results from Manitowoc.

### Inorganic Contaminants

Contaminant (units)	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2019)	Violation	Typical Source of Contaminant
ARSENIC (ppb)	10	n/a	1	1	3/09/2017	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
BARIUM (ppm)	2	2	0.02	0.02	3/09/2017	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
FLUORIDE (ppm)	4	4	0.64	0.64	3/09/2017	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
NICKEL (ppb)	100		3	3	3/09/2017	No	Nickel occurs naturally in soils, ground water
NITRATE (NO3-N) (ppm)	10	10	0.44	0.44		No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits

Village of Allouez  
 1900 Libal Street  
 Green Bay, WI 54301-2453

**Radioactive Contaminants**

Contaminant (units)	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2019)	Violation	Typical Source of Contaminant
RADIUM, (226 + 228) (pCi/l)	5	0	1.5	1.5	5/07/2014	No	Erosion of natural deposits

**Unregulated Contaminants**

Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. EPA required us to participate in this monitoring.

Contaminant (units)	Level Found	Range	Sample Date (if prior to 2019)
SODIUM (ppm)	8.2	8.2	
SULFATE (ppm)	21	21	
CHROMIUM (ppb)	0.29	0.20-0.29	2014-2015 Manitowoc and Allouez UCMR 3 Monitoring
CHROMIUM-6 (ppb)	0.22	0.11-0.22	2014-2015 Manitowoc and Allouez UCMR 3 Monitoring
STRONTIUM (ppb)	130	110-130	2014-2015 Manitowoc and Allouez UCMR 3 Monitoring
VANADIUM (ppb)	0.31	0.2-0.31	2014-2015 Manitowoc and Allouez UCMR 3 Monitoring
CHLORATE (ppb)	1800	1800	2015 Allouez UCMR 3 Monitoring
MOLYBDENUM (ppb)	1.0	1.0	2015 Allouez UCMR 3 Monitoring
MANGANESE (ppb)	0.7	0.5-0.7	2018-2019 Manitowoc and Allouez UCMR 4 Monitoring
HAA5 (ppb)	36.3	14.8-36.3	2019 Allouez UCMR 4 Monitoring
HAA6Br	14.2	8.1-14.2	2019 Allouez UCMR 4 Monitoring
HAA9	49	23.9-49	2019 Allouez UCMR 4 Monitoring

**Turbidity Monitoring**

In accordance with s. NR 810.29, Wisconsin Administrative Code, the treated surface water is monitored for turbidity to confirm the effectiveness of our filtration system. Turbidity is a measure of the cloudiness of water. During the year, the highest single entry point turbidity measurement was 0.06 NTU.

**Other Compliance  
 Uncorrected Significant Deficiencies**

Water Facility	Address	Identified Problem	Corrective Action
Station #3	141 Vande Hei Road	Non-Compliant Overflows	Reconstruct Overflow Per NR 811.64(4)
Station #4	3211 Libal Street	Non-Compliant Overflow	Reconstruct Overflow Per NR 811.64(4)
Station #4	3211 Libal Street	Vent Screen Not Properly Covered	Abandon Power Vent with SS Cover
Stand-Pipe	2612 S. Webster Ave.	Non-Compliant Overflow	Reconstruct Overflow Per NR 811.64(4)
Station #6	821 Dauphin Street	Non-Compliant Overflow	Reconstruct Overflow Per NR 811.64(4)
Station #7	717 Kalb Street	Non-Compliant Overflow	Reconstruct Overflow Per NR 811.64(4)
Station #7	717 Kalb Street	Failing ceiling insulation.	Drain Reservoir and remove material

**Contact Information**

If you have any questions regarding the safety of our drinking water, please contact Michael Mahloch at (920) 448-2808, or at 1900 Libal Street, Green Bay, Wisconsin 54301.

**Other Information**

The Allouez Water Department will be conducting Plumbing Cross Connection Surveys of residential households. The entire household plumbing system will be surveyed at this time. The Cross Connection Survey is required by Wisconsin Administrative Code NR811.09. Refer to the Village website or "All About Allouez" for further information.

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