

2020 CONSUMER CONFIDENCE REPORT (CCR) CERTIFICATION

Community Water System Name: TWO RIVERS WATERWORKS
Community Water System ID: 43604363

You must complete and send this form, along with an actual copy of the CCR, by July 1, 2021 to your Regional DNR Drinking Water Representative at the following address:
WENDY ANDERSON, 2984 SHAWANO AVE, GREEN BAY, WI 54313-6727, 920-360-0462, FAX#: 920-662-5413

I confirm that this system's Consumer Confidence Report was distributed to customers as indicated below and information contained in the CCR is correct and consistent with compliance data submitted to DNR.

Certified by:

(Name, Title) Ross Blaha - Water Utility Director (Date) 04/27/2021
(Phone) 920-793-5558 (E-mail address) rblaha@two-rivers.org

Required Delivery: This system has 10,001-99,999 consumers. In addition to making the CCR available to the public upon request, **at least one** of the following delivery methods is required. Check the option that was completed and include the required information. *Electronic delivery requires completion of additional information on back page.

Option 1 - CCR was distributed by mail or direct delivery to all customers served by the water system.
List method and date of delivery: USPS - Between 05/28/2021 and 06/17/2021

Option 2 - CCR was distributed electronically to all customers served by the water system. Identify the method of electronic delivery used from the back page and submit the required information.

Good Faith Effort: If you have any non-bill paying consumers (e.g., business customers, renters, workers) you must make good faith effort to also reach these water users. **At least one** of the following methods is required, in addition to the method(s) selected above for your population. The same method may not be used for both this section and the section above. **Check all that were completed and attach the required information.**

- Published CCR in local newspaper. Copy attached.
- Posted CCR in public places. List of locations attached.
- Advertised availability of CCR upon request. Announcement attached.
- Posted CCR on the Internet at: http://www.tworivers.org
- Mailed CCR to postal patrons in service area. Zip codes used are attached.
- Delivered multiple CCR copies to single bill addresses serving apartments, businesses, and large employers, etc. List of addresses attached.
- Delivered CCR to community organizations. Attach list.
- Other. Description attached.

Electronic Delivery: If electronic delivery was used in lieu of mailing the CCR, you must provide the additional information outlined on the back page.

Bulletins at the following:

City Hall
Library
Community House

Electronic Delivery Information - check which method of electronic delivery was used:

_____ **Option 1** - A bill or other mailing to customers contained a link (URL) that takes the reader directly to the CCR. The URL was prominently displayed in the mailing. It included an option for the customer to request a paper CCR and included a statement about water quality to promote readership. In addition, a separate notification was given to customers who use electronic payment, since not all customers who electronically pay their bills may receive a paper bill or open a paper bill if they do receive it.

_____ A copy of the bill or mailing is attached.

_____ A copy of the notification given to customers who use electronic payment is attached.

_____ **Option 2** - An e-mail was sent to consumers containing a link (URL) that takes the reader directly to the CCR. The e-mail included a statement encouraging readership. It also instructed how to request a paper CCR. E-mails that bounced back as undeliverable were addressed by sending the customer a CCR by another direct delivery method.

_____ A copy of the e-mail message is attached.

_____ Undeliverable e-mail messages were addressed by doing the following: _____.

_____ **Option 3** - An e-mail was sent to consumers containing an electronic copy of the CCR as an attachment in a format that can be viewed without paying for additional software (e.g., PDF format). The e-mail included a statement encouraging readership. It also instructed how to request a paper CCR. E-mails that bounced back as undeliverable were addressed by another direct delivery method.

_____ A copy of the e-mail message is attached.

_____ Undeliverable e-mail messages were addressed by doing the following: _____.

_____ **Option 4** - An e-mail was sent to consumers containing the CCR as text and tables within the message. The e-mail included a statement encouraging readership. It also instructed how to request a paper CCR. E-mails that bounced back as undeliverable were addressed by sending the customer a CCR by another direct delivery method.

_____ A copy of the e-mail message is attached.

_____ Undeliverable e-mail messages were addressed by doing the following: _____.

2020 Consumer Confidence Report Data

TWO RIVERS WATERWORKS, PWS ID: 43604363

Water System Information

If you would like to know more about the information contained in this report, please contact Ross Blaha at 920-793-5558.

If you need to have this report translated, contact us. Please call: 920-793-5558

Opportunity for input on decisions affecting your water quality

Two Rivers City Hall, 1st & 3rd Mondays, Monthly at 6 pm

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)	Waterbody Name	Status
1	Surface Water		LAKE MICHIGAN	Active

To obtain a summary of the source water assessment please contact, Ross Blaha at 920-793-5558.

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.
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 or why total coliform bacteria have been found in our water system, or both, on multiple occasions.
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.
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 2020)	Violation	Typical Source of Contaminant
HAA5 (ppb)	D21	60	60	29	22		No	By-product of drinking water chlorination
TTHM (ppb)	D21	80	0	55.0	35.3		No	By-product of drinking water chlorination
HAA5 (ppb)	D3	60	60	24	17 - 29		No	By-product of drinking water chlorination
TTHM (ppb)	D3	80	0	56.5	24.5 - 70.0		No	By-product of drinking water chlorination
HAA5 (ppb)	D34	60	60	18	15 - 37		No	By-product of drinking water chlorination
TTHM (ppb)	D34	80	0	34.2	26.2 - 78.0		No	By-product of drinking water chlorination
HAA5 (ppb)	D37	60	60	17	22 - 24		No	By-product of drinking water chlorination

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2020)	Violation	Typical Source of Contaminant
TTHM (ppb)	D37	80	0	33.4	37.4 - 50.0		No	By-product of drinking water chlorination
HAA5 (ppb)	D41	60	60	30	22		No	By-product of drinking water chlorination
TTHM (ppb)	D41	80	0	55.6	34.5		No	By-product of drinking water chlorination
HAA5 (ppb)	D1/D5	60	60	26	19 - 32		No	By-product of drinking water chlorination
TTHM (ppb)	D1/D5	80	0	57.9	31.3 - 74.7		No	By-product of drinking water chlorination

Inorganic Contaminants

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2020)	Violation	Typical Source of Contaminant
ARSENIC (ppb)		10	n/a	1	1		No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
BARIUM (ppm)		2	2	0.021	0.021		No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
FLUORIDE (ppm)		4	4	0.7	0.7		No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
NICKEL (ppb)		100		0.7500	0.7500		No	Nickel occurs naturally in soils, ground water and surface waters and is often used in electroplating, stainless steel and alloy products.
NITRATE (NO3-N) (ppm)		10	10	0.32	0.32		No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
SODIUM (ppm)		n/a	n/a	12.00	12.00		No	n/a

Contaminant (units)	Action Level	MCLG	90th Percentile Level Found	# of Results	Sample Date (if prior to 2020)	Violation	Typical Source of Contaminant
COPPER (ppm)	AL=1.3	1.3	0.1800	0 of 30 results were above the action level.	9/17/2019	No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
LEAD (ppb)	AL=15	0	15.00	1 of 30 results were above the action level.	8/28/2019	No	Corrosion of household plumbing systems; Erosion of natural deposits

Radioactive Contaminants

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2020)	Violation	Typical Source of Contaminant
GROSS ALPHA, EXCL. R & U (pCi/l)		15	0	0.8	0.8		No	Erosion of natural deposits
COMBINED URANIUM (ug/l)		30	0	0.3	0.3		No	Erosion of natural deposits

Synthetic Organic Contaminants including Pesticides and Herbicides

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2020)	Violation	Typical Source of Contaminant
ATRAZINE (ppb)		3	3	0.0	0.0 - 0.0		No	Runoff from herbicide used on row crops

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 2020)
SULFATE (ppm)	21.00	21.00	
METOLACHLOR (DUAL) (ppb)	0.00	0.00 - 0.01	

UCMR4 completed in 2020. No contaminants found. Information is available upon request.

Other Compliance

Uncorrected Significant Deficiencies

Deficiency Description and Progress to Date	Date System Notified	Scheduled Correction Date
SD2 The overflow of the Northside ground storage reservoir does not terminate in a downward opening with a free air break 12 to 24-inches above a splash pad or rip rap as required in s. NR 811.64, Wis. Adm. Code. In addition, I'm concerned that the area surrounding the discharge pipe is above the outlet elevation of 608.25 and water could back up into the pipe if the storm sewer drain is clogged with debris.	10/9/2020	12/31/2021

Actions Taken

Working with WDNR on plans & specifications.

Violation of the Terms of a Variance, Exemption, or Administrative or Judicial Order

None.

Noncompliance with Recordkeeping and Compliance Data

None.

Turbidity Monitoring

In accordance with s. NR 810.29, Wisconsin Administrative Code, the treated surface water is monitored for turbidity to confirm that the filtered water is less than 0.1 NTU/0.3NTU. Turbidity is a measure of the cloudiness of water. We monitor for it because it is a good indicator of the effectiveness of our filtration system. During the year, the highest single entry point turbidity measurement was 0.046 NTU.

Additional Health Information

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and you children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Two Rivers Waterworks is responsible for providing high quality drinking water; however, we cannot control the variety of materials used in the home owner's 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 .