

2010 Consumer Confidence Report for 60301428 TURTLE LAKE WATERWORKS

Water System Information

If you would like to know more about the information contained in this report, please contact Danny Pabst at (715) 986-2820.

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
1	Groundwater	730	Active
2	Groundwater	748	Active
3	Groundwater	492	Active

To obtain a summary of the source water assessment please contact Danny Pabst at (715) 986-2820

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.

Number of Contaminants Required to be Tested

This table displays the number of contaminants that were required to be tested in the last five years. The CCR may contain up to five years worth of water quality results. If a water system tests annually, or more frequently, the results from the most recent year are shown on the CCR. If testing is done less frequently, the results shown on the CCR are from the past five years.

Contaminant Group	# of Contaminants
Disinfection Byproducts	2
Inorganic Contaminants	17
Microbiological Contaminants	3
Radioactive Contaminants	4
Synthetic Organic Contaminants including Pesticides and Herbicides	29
Unregulated Contaminants	4
Volatile Organic Contaminants	20

Disinfection Byproducts

Contaminant (units)	MCL	MCLG	Level	Range	Sample Date (if	Violation	Typical Source of
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			Found		prior to 2010)		Contaminant
HAA5 (ppb)	60	60	1	nd- 1		NO	
TTHM (ppb)	80	0	4.8	2.2- 4.8		NO	By-product of drinking water chlorination

Inorganic Contaminants

Contaminant (units)	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2010)	Violation	Typical Source of Contaminant
ARSENIC (ppb)	10	n/a	4	4	03/24/2008	NO	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
BARIUM (ppm)	2	2	.075	.075	03/24/2008	NO	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits

COPPER (ppm)	AL=1.3	1.3	.4130	0 of 10 results were above the action level.	04/16/2008	NO	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
FLUORIDE (ppm)	4	4	.1	.1	03/24/2008	NO	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
LEAD (ppb)	AL=15	0	6.00	1 of 10 results were above the action level.	04/16/2008	*	Corrosion of household plumbing systems; Erosion of natural deposits
NITRATE (N03-N) (ppm)	10	10	.70	nd- .70		NO	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
SODIUM (ppm)	n/a	n/a	4.83	4.83	03/24/2008	NO	n/a

* Systems exceeding a lead and/or copper action level must take actions to reduce lead and/or copper in the drinking water. The lead and copper values represent the 90th percentile of all compliance samples collected. If you want information on the NUMBER of sites or the actions taken to reduce these levels, please contact your water supply operator.

Radioactive Contaminants

Contaminant (units)	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2010)	Violation	Typical Source of Contaminant
COMBINED URANIUM (ug/l)	30	0	18.0	18.0		NO	Erosion of natural deposits
GROSS ALPHA, EXCL. R & U	15	0	6.3	2.0- 13.8		NO	Erosion of natural deposits

(pCi/l)							
GROSS ALPHA, INCL. R & U (n/a)	n/a	n/a	9.3	2.0- 25.8		NO	Erosion of natural deposits
RADIUM, (226 + 228) (pCi/l)	5	0	2.3	nd- 4.8		NO	Erosion of natural deposits

Unregulated Contaminants

Contaminant (units)	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2010)	Violation	Typical Source of Contaminant
1,2,4-TRIMETHYLBENZENE (ppb)	n/a	n/a	.14	.14		NO	n/a
BROMODICHLOROMETHANE (ppb)	n/a	n/a	1.30	.85-1.30		NO	n/a
CHLOROFORM (ppb)	n/a	n/a	2.80	.66-2.80		NO	n/a
DIBROMOCHLOROMETHANE (ppb)	n/a	n/a	.71	.71		NO	n/a

Monitoring and Reporting Violations

Contaminant Group	Sample Location	Compliance Period Beginning	Compliance Period Ending Monitoring and reporting violations occur when a water system fails to collect and/or report results for State required drinking water sampling. "Sample location" refers to the distribution system, or an entry point or well number from which a sample is required to be taken.
Volatile Organic Contaminants	3	04/01/2010	06/30/2010

Volatile Organic Contaminants that were missed include: 1,1,1-Trichloroethane; 1,1,2-Trichloroethane; 1,1-Dichloroethylene; 1,2,4-Trichlorobenzene; 1,2-Dichloroethane; 1,2-Dichloropropane; Benzene; Carbon Tetrachloride; Cis-1,2-Dichloroethylene; Dichloromethane; Ethylbenzene; Monochlorobenzene (Chlorob.); O-Dichlorobenzene; P-Dichlorobenzene; Styrene; Tetrachloroethylene; Toluene; Trans-1,2-Dichloroethylene; Trichloroethylene; Vinyl Chloride; Xylenes, Total

Definition of Terms

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.
MFL	million fibers per liter
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.

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Jim Doyle, Governor
Matthew J. Frank, Secretary
John Gozdzialski, Regional Director

July 21, 2010

PWSID: 60301428
MC - Barron County
DNR Violation: 30717358

GARY HANSON
TURTLE LAKE WATERWORKS
114 MARTIN AVE E
PO BOX 11
TURTLE LAKE WI 54889

SUBJECT: **Notice of Noncompliance** – Failure to Perform Required Monitoring

Dear Gary Hanson :

Wisconsin's Safe Drinking Water regulation, s. NR 809.25, Wis. Adm. Code, requires that your public water system submit 1 quarterly compliance water sample(s) for volatile organic testing. A review of Department records indicates your facility collected none of these samples between 04/01/2010 and 06/30/2010.

The Department believes you are currently in violation of s. NR 809.25, Wis. Adm. Code. To return to compliance, you must complete **one** of the following:

1. If you believe our records are in error and the sample(s) were collected between 04/01/2010 and 06/30/2010, please have the lab that performed the analysis electronically report the results to the DNR **within 10 days of the date of this letter.**
2. If the sample(s) were not collected between 04/01/2010 and 06/30/2010, **you must collect and have the lab electronically report the results for your required volatile organic compliance samples as soon as possible.** Failure to collect and report the required compliance samples within two weeks of the date of this letter may result in the Department initiating further enforcement actions.

The missed sample(s) are a monitoring violation, therefore you are required to provide notice to the public as stated in s. NR 809.953, Wis. Adm. Code. You must give the notice by 7/1/2011 by publication in a daily or weekly newspaper of general circulation in the area served by your system. If your area is not served by a daily or weekly newspaper, you may notice by hand delivery or direct mail to every customer served by your system or, with prior permission from the Department, by posting at several conspicuous locations for a minimum of 7 days in the area served by your system. You are required to provide public notice at least once every 12 months as long as the violation exists. If more than 5% of the population served by your system consists of non-English speaking consumers, the public notice must contain information in the appropriate language(s) regarding the importance of the notice and where to obtain more information in another language

A copy of your completed public notice and certification is due at this office within 10 days of posting. If you use the attached public notice you must fill in all the blanks and sign and date the certification at the bottom. If you use a different public notice, it must include the information required in s.

NR 809.954, Wis. Adm. Code as well as a signed and dated certification statement similar to the one on the sample public notice.

For technical assistance or questions, please contact Ken Scherer at (715) 635-4052.

Sincerely,

Julie Thompson
Environmental Program Associate
Encl.
Cc: Ken Scherer

PWSID: 60301428 – DNR Violation: 30717358
MC– Barron County

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER
Monitoring Requirements Not Met for Turtle Lake Waterworks

We 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 04/01/2010 and 06/30/2010, we did not monitor for **volatile organic contaminants, and therefore cannot be sure of the quality of your drinking water during that time.**

What precautions should be taken at this time?

There are no special precautions you need to take at this time. However, it is important to remember that the quality of your drinking water is not known at this time.

What was the cause of the missed monitoring requirements?

Miscommunication with testing company.

What is being done to correct the problem?

Corrected communications with lab.

When will the problem be resolved?

Problem has been resolved.

If you have questions regarding the safety of our drinking water, please contact:

Name of Responsible Person

Danny Pabst

Street Address

City

Area Code-Telephone Number

715-986-2820

State

Zip

520 Logan Ave.

Turtle Lake

Wi 54889

I certify that the information and statements contained in this public notice are true and correct and have been provided to consumers in accordance with the delivery, content, format, and deadline requirements in Subchapter X of ch. NR 809, Wis. Adm. Code.

X

Signature

Date

**Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.