

# 2010 Consumer Confidence Report

## MARSHALL WATERWORKS, PWS ID 11302379

### Water System Information

If you would like to know more about the information contained in this report, please contact Dean Gerber at 608-655-3814.

The Village Board meets the second Tuesday of each month at Village Hall at 7:00 p.m.

### 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 (ft.)	Status
1	Groundwater	372	Active
2	Groundwater	805	Active

To obtain a summary of the source water assessment please contact Dean Gerber at 608-655-3814.

### 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:

1. Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife.
2. 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.
3. Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff and residential uses.
4. 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.
5. 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	16
Microbiological Contaminants	1
Radioactive Contaminants	3
Unregulated Contaminants	20
Volatile Organic Contaminants	20

## Disinfection Byproducts

Contaminant	MCL	MCLG	Level Found	Range	Sample Date (if Prior to 2010)	Violation	Typical Source of Contaminant
TTHM (ppb)	80	0	7.6	3.4-7.6		NO	By-product of drinking water chlorination

## Inorganic Contaminants

Contaminant	MCL	MCLG	Level Found	Range	Sample Date (if Prior to 2010)	Violation	Typical Source of Contaminant
BARIUM (ppm)	2	2	.114	.009-.114	07/22/2008	NO	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
COPPER (ppm)	AL=1.3	1.3	.6210	0 of 20 results were above the action level.	09/18/2008	NO	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
FLUORIDE (ppm)	4	4	.1	.1-.1	07/22/2008	NO	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
LEAD (ppb)	AL=15	0	2.10	0 of 20 results were above the action level.	09/18/2008	NO	Corrosion of household plumbing systems; Erosion of natural deposits

NICKEL (ppb)	100		6.0000	1.0000-6.0000	07/22/2008	NO	Nickel occurs naturally in soils, ground water and surface waters and is often used in electroplating, stainless steel and alloy products.
SODIUM (ppm)	n/a	n/a	3.00	2.80-3.00	07/22/2008	NO	n/a

### Radioactive Contaminants

Contaminant	MCL	MCLG	Level Found	Range	Sample Date (if Prior to 2010)	Violation	Typical Source of Contaminant
COMBINED URANIUM (ug/l)	30	0	4.3	2.8-4.3	02/04/2008	NO	Erosion of natural deposits
GROSS ALPHA, EXCL. R & U (pCi/l)	15	0	11.2	3.1-11.2	02/04/2008	NO	Erosion of natural deposits
GROSS ALPHA, INCL. R & U (n/a)	n/a	n/a	14.0	6.0-14.0	02/04/2008	NO	Erosion of natural deposits
GROSS BETA PARTICLE ACTIVITY (pCi/l)	n/a	n/a	6.3	1.3-6.3	02/04/2008	NO	Decay of natural and man-made deposits. MCL units are in millirem/year. Calculation for compliance with MCL is not possible unless level found is greater than 50 pCi/l.
RADIUM, (226 + 228) (pCi/l)	5	0	4.2	.8-4.2	02/04/2008	NO	Erosion of natural deposits

### Unregulated Contaminants

Contaminant	MCL	MCLG	Level Found	Range	Sample Date (if Prior to 2010)	Violation	Typical Source of Contaminant
BROMODICHLOROMETHANE (ppb)	n/a	n/a	.74	.57-.74		NO	n/a
CHLOROFORM (ppb)	n/a	n/a	6.60	2.20-6.60		NO	n/a
DIBROMOCHLOROMETHANE (ppb)	n/a	n/a	.43	.43		NO	n/a

## 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.



**Complete this form and return it by July 1, 2011 to your Regional DNR Drinking Water Representative at the following address:** STEPHEN ALES, 3911 FISH HATCHERY RD, FITCHBURG, WI 53711, 608-275-3311, FAX#: 608-275-3338  
**Include a copy of your CCR with this certification form.**

## 2010 CCR Certification

<b>Community Water System Name:</b>	MARSHALL WATERWORKS
<b>Community Water System ID:</b>	11302379

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

**The options for CCR distribution are based on the number of people served by the water system and are listed below. Check item(s) that were completed.**

**100,000 or more consumers**

**Required:**

- CCR was posted on the Internet at: **http://**\_\_\_\_\_
- CCR was distributed by mail on (date): \_\_\_\_\_
- CCR available to the public upon request

**10,001-99,999 consumers**

**Required:**

- CCR was distributed by mail on (date): \_\_\_\_\_
- CCR available to the public upon request

**501-10,000 consumers**

**Required:**

- CCR available to the public upon request

**Additionally, must also (choose Option 1, Option 2, or Option 3):**

- Option 1:**  
CCR was distributed by mail or direct delivery (date & method) \_\_\_\_\_
- Option 2:**  
CCR was published in a local newspaper (attach copy & provide name & publication date) \_\_\_\_\_ **AND** customer was informed in newspaper, water bill or other method that CCR would not be mailed, but is available upon request (method of notification) \_\_\_\_\_
- Option 3:**  
CCR was distributed by mail or direct delivery (date & method) \_\_\_\_\_ **AND** CCR was published in a local newspaper (attach copy & provide name & publication date) \_\_\_\_\_

**500 or fewer consumers**

**Required:**

**Complete at least one:**

- Notice provided by mail, door-to-door delivery, or by posting in an appropriate location that the report is available upon request, and will deliver by fax, mail or hand upon request.
- CCR was distributed by mail on (date): \_\_\_\_\_

In addition to the above requirements, **ALL SYSTEMS with non-bill paying consumers (e.g., renters, workers, school children from out of town, etc.)** must make good faith efforts to reach those consumers via **at least one** additional method. Check method(s) used:

- Publish the CCR in local newspaper (attach copy).
- Post the CCR in public places (attach a list of locations).
- Advertise availability upon request of the CCR (attach copy of announcement)
- Post the CCR on the Internet at: **http://**\_\_\_\_\_
- Mail the CCR to postal patrons within the service area. (Attach zip codes used)
- Deliver multiple copies to single bill addresses serving several persons such as: apartments, businesses, and large private employers.
- Deliver to community organizations (attach a list)
- Other (if additional methods used, attach description)

**Certified by:** \_\_\_\_\_ (Date)

(Name, Title)

(Date)

(Phone)

(E-mail address)