

# 2015 Consumer Confidence Report Data

## DRESSER WATERWORKS, PWS ID: 64903366

### PLEASE CONSERVE !

It covers 80% of the earth and makes up 75% of your body. Every living thing relies on it, every day. From our morning showers to the grass that beautifies our yards, the clean dishes we set on our tables and the river that churns out the electricity we need to light up our homes, water saturates our lives. We pump it. We deliver it. We test it. We meter it. We flush it. We store it. We treat it. We sell it. We bathe in it. We brush with it. We cook with it. We freeze it. We clean with it. We water lawns and gardens with it. We need to conserve it. And last, but not least, we drink it.

This Annual Drinking Water Report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water distribution process and to protect our water resources. We are committed to ensuring the quality of your water, and also are pleased to report that our drinking water is safe and meets Federal and State requirements.

Our water source is derived from the lower St. Croix Sandstone Aquifer and obtains its water from two wells, identified as well #2 (F&A) and well #3 (Water Tower). Well #2 was constructed in 1949, is 251 feet deep and has a pumping capacity of about 300 gallons per minute (gpm). Well #3 was constructed in 1974, is 259 feet deep and is capable of pumping about 325 gpm. The Village also maintains a power generation set in the event of an electrical emergency. Also, with the assistance of the Wisconsin Rural Water Association, we have developed a Wellhead Protection Plan, which was implemented along with a Wellhead Protection Ordinance.

The distribution system contains approximately 9.5 miles of water main of various sizes, from four inches in diameter to ten inches in diameter. We also have an elevated steel storage tank that was constructed in 1974 near well #3. The tank has a capacity of 200,000 gallons and is 108 feet in height. The Village in general uses an average of approximately 110,000 gallons of water a day or 40 million gallons per year. The Village also has two trained and certified water operators on their staff.

In addition, we would like to remind you that drinking water is our most valuable commodity. Please learn to conserve. A dripping faucet or fixture can waste 3 gallons of water a day.....a total of 1095 gallons per year! If that water is escaping into a sanitary sewer, these costs will more than quadruple. If you have any questions about this report or concerning your Water Utility, please contact, Jodi Gilbert, Village Clerk, at 755-2940 between the hours of 8 a.m. and 4:30 p.m. and she would notify one of the staff to get in touch with you. If you would like to learn more, please feel free to attend any of the Village Board's regularly scheduled meetings. They are held on the first Monday of every month at 6:30 p.m. at the Village Municipal Office, 102 Main Street W. Dresser, WI. 54009.

The Village of Dresser Water Utility routinely monitors for elements in your drinking water according to Federal and State laws. This report shows the results of our monitoring for the period of January 1<sup>st</sup> to December 31<sup>st</sup>, 2015.

## Water System Information

If you would like to know more about the information contained in this report, please contact Steve Jacobs at (715) 755-2940.

## Opportunity for input on decisions affecting your water quality

The Village Board meetings are regularly scheduled on the first Monday of every month at 6:30 p.m. in the Village Municipal Office, 102 Main Street W. Dresser WI 54009. The Village Board welcomes anyone to attend the meeting if they want to discuss concerns or issues about Dressers water quality.

## 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	Groundwater	251	Active
3	Groundwater	259	Active

To obtain a summary of the source water assessment please contact, Steve Jacobs at (715) 755-2940.

## 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.
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)

Term	Definition
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.

### Inorganic Contaminants

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2015)	Violation	Typical Source of Contaminant
BARIUM (ppm)		2	2	0.014	0.013 - 0.014	5/14/2014	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
CHROMIUM (ppb)		100	100	1	1 - 1	5/14/2014	No	Discharge from steel and pulp mills; Erosion of natural deposits
FLUORIDE (ppm)		4	4	0.1	0.1 - 0.1	5/14/2014	No	Erosion of natural deposits; Water additive which promotes strong teeth;

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2015)	Violation	Typical Source of Contaminant
								Discharge from fertilizer and aluminum factories
NITRATE (N03-N) (ppm)		10	10	2.20	1.70 - 2.20		No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
SODIUM (ppm)		n/a	n/a	5.73	3.51 - 5.73	5/14/2014	No	n/a

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	0.1880	0 of 10 results were above the action level.	8/27/2014	No	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives
LEAD (ppb)	AL=15	0	3.00	1 of 10 results were above the action level.	8/27/2014	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 2015)	Violation	Typical Source of Contaminant
GROSS BETA		n/a	n/a	1.5	1.3 -	5/14/2014	No	Decay of natural and

Contaminant (units)	Site	MCL	MCLG	Level Found	Range	Sample Date (if prior to 2015)	Violation	Typical Source of Contaminant
PARTICLE ACTIVITY (pCi/l)					1.5			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.
GROSS ALPHA, EXCL. R & U (pCi/l)		15	0	1.5	0.0 - 1.5	5/14/2014	No	Erosion of natural deposits
RADIUM, (226 + 228) (pCi/l)		5	0	0.2	0.1 - 0.2	5/14/2014	No	Erosion of natural deposits
GROSS ALPHA, INCL. R & U (n/a)		n/a	n/a	1.5	0.0 - 1.5	5/14/2014	No	Erosion of natural deposits

## Health effects for any contaminants with MCL violations/Action Level Exceedances

### Contaminant Health Effects

**LEAD** Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure.

### 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. Dresser 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).

### **Additional Information on Dressers water Monitoring**

The Village of Dresser and the Department of Natural Resources monitor our water throughout the year for contaminants and test results are available upon request at the Village Office.

**As you can see by the table, our system had no violations in 2015.** We would like to inform you that your drinking water meets all Federal and State requirements. We have learned through our monitoring and testing that some elements have been detected. The EPA has determined that your water **IS SAFE** at these levels.

Inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites, which can cause symptoms such as nausea, cramps, diarrhea, and associated headaches. " All sources of drinking water are subject to potential contamination by elements that are naturally occurring or are man-made. Those elements can be microbes, organic, or inorganic chemicals, or radioactive materials."

All drinking water, including bottled water, may reasonably be expected to contain a small amount of some contaminants. The presence of contaminants does not necessarily indicate that the 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 at 1-800-426-4791.

Thank you for allowing us to continue providing you and your family with clean, quality water this year. In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit all of our customers. These improvements are sometimes reflected as rate structure adjustments. Thank you for understanding.

We at the Dresser Water Utility work diligently 365 days a year to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life, and our children's future.

Again, Thank You.

Your Village of Dresser Water Utility Operators

Steve Jacobs and Michael Qualle

4/26/2016